



Japan
Display
Inc.
Group

JAMA Sheet User's Manual

February 2013

(Ver. 1.0)

Japan Display Inc.

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2. Display image for JAMA sheet and content overview
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1. What is the JAMA sheet? <Differences in answering formats>

■ Features of the JAMA sheet

Format (Full name)	JAMA (JAMA/JAPIA Standard Material Data Sheet)	IMDS (International Material Data System)	AIS (Article Information Sheet)	JGPSSI (Green Procurement Survey Standardization Initiative)	Customer- specific
Sponsor organization(s)	Japan Automobile Manufacturers Association (JAMA) Japan Auto Parts Industries Association (JAPIA)	World's automobile manufacturers	Joint Article Management Promotion-consortium (JAMP)	Japan-based electric/electronic device businesses	Individual customers
Formal characteristics	Original format; same content as in IMDS	Format common to world's on-board device manufacturers	Original format; spreading to other countries	Original format	Customer-specific
Content characteristics	All components	All components	Controlled substances (*) only (*) Substances controlled by JAMP	Controlled substances (*) only (*) 100-150 Substances	Depending on the individual customers
Input method	Excel	Directly on Web	Excel	Excel	Depending on the individual customers
Substance database referenced	GADSL (More than 1000 substances) * Global Automotive Declarable Substance List	GADSL (More than 1000 substances) * Global Automotive Declarable Substance List	Substances controlled by JAMP (More than 1000 substances)	None * Contents specified for each controlled substance	Depending on the individual customers
Language	Japanese, English, Chinese (simplified)	Japanese, English, German	Japanese, English, Chinese (simplified)	Japanese, English, Chinese (simplified)	Depending on the individual customers

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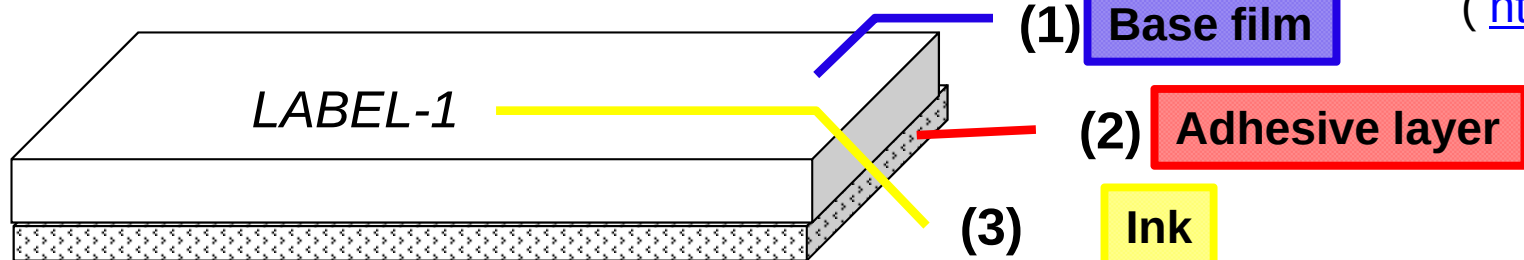
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2. Display image for JAMA sheet and content overview

Overview of JAMA sheet

Source: JAPIA Document, Data Input Sample (Case 7: Labels)

(<http://www.japia.or.jp/datasheet/>)



納入部品													化合物					
連番	納入部品番号	納入部品名称	納入部品質量 [g/部品]	構成部品番号	構成部品名称	構成部品質量A [g/個]	構成部品数	構成材料名称	材料質量 [g/構成部品]	材料規格	材料コード (金属・樹脂・その他)	材料記号 (樹脂・ゴム)	VDA材料分類コード	含有数値	プロセス	化合物コード	化合物名称	化合物含有率
1	LB335501	Sample LABEL	(1)		Label base film	0.25	1	Plastics PP (Filled)	0.25	ISO1043		PP-KD20	5.1.a	1	-	-	Plastic: PP	77
2	LB335501	Sample LABEL			Label base film		1	Plastics PP (Filled)		ISO1043		PP-KD20	5.1.a	2	471-34-1		Calcium-carbonate	20
3	LB335501	Sample LABEL			Label base film		1	Plastics PP (Filled)		ISO1043		PP-KD20	5.1.a		system		Additives, not to declare	3
4	LB335501	Sample LABEL	(2)		Label adhesive layer	0.01	1	Adhesive PAK	0.01	ISO1043	PAK		6.2	1	-	-	Basic Polymer: PAK	97
5	LB335501	Sample LABEL			Label adhesive layer		1	Adhesive PAK		ISO1043	PAK		6.2	2	108-05-4		Acetic acid ethenyl ester	0.6
6	LB335501	Sample LABEL			Label adhesive layer		1	Adhesive PAK		ISO1043	PAK		6.2		system		Additives, not to declare	2.9
7	LB335501	Sample LABEL	(3)		Label ink	0.01	1	Ink	0.01	JAMAA4444	INK		6.1	1	-	-	Polycarbonate	3
8	LB335501	Sample LABEL			Label ink		1	Ink		JAMAA4444	INK		6.1	2	147-14-8		Cu-Phthalocyanin	10
9	LB335501	Sample LABEL			Label ink		1	Ink		JAMAA4444	INK		6.1	3	25053-15-0		Allyl phthalate, homopolymer	15
10	LB335501	Sample LABEL			Label ink		1	Ink		JAMAA4444	INK		6.1	4	5102-83-0		CI Pigment Yellow 13	10
11	LB335501	Sample LABEL			Label ink		1	Ink		JAMAA4444	INK		6.1	5	71868-10-5		2-Methoxypropyl acetate	5
12	LB335501	Sample LABEL			Label ink		1	Ink		JAMAA4444	INK		6.1		system		Misc, not to declare	7

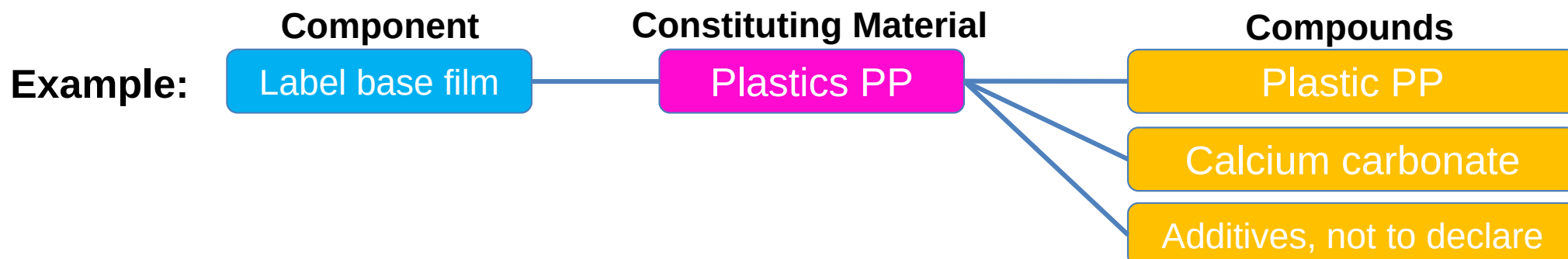


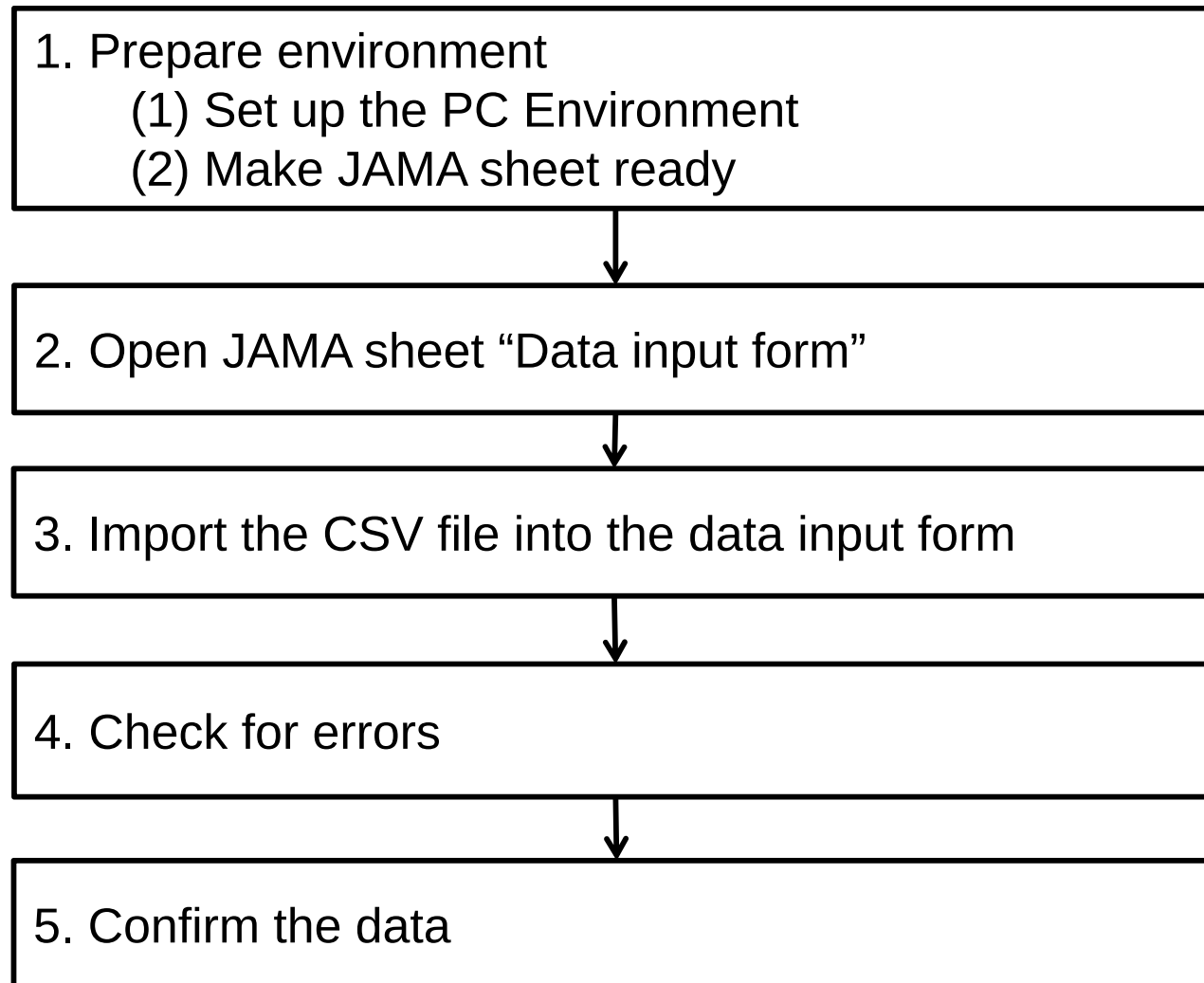
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3. JAMA Sheet entries

□ How to confirm JAMA sheet contents

Procedure to confirm JAMA sheet contents



❑ PC environment for viewing the JAMA sheet

1. Prepare environment

(1) Set up PC environment

- Hardware:

 - CPU: Pentium II, 350 MHz, or higher

 - Memory: 128 MB or more

 - Free HDD space: 50 MB

- Software

 - Authentic Microsoft Excel (Japanese, English, or Chinese edition) should be present

3.JAMA Sheet entries

1 → 2 → 3 → 4 → 5

□ How to download JAMA sheet

(2) Getting JAMA sheet ready

- Download the files.

Download the latest version of the JAMA/JAPIA Standard Material Data Sheet (Data Input Form and External List) from the site indicated below, as necessary.

URL: <http://www.japia.or.jp/english/datasheet.html>

***Use the Data Input Form and External List of the same version for the same language.**

No	Document name	Download	Format	Version	Updated on	Size (MB)
(1)	JAMA/JAPIA Standard Material Datasheet (Data input form)	Download	ZIP	2.17	2012/10/01	0.0
(2)	JAMA/JAPIA Standard Material Datasheet (External file)	Download	ZIP	2.17	2012/10/01	9.2
(3)	JAMA/JAPIA Standard Material Datasheet external file : Abstract	Download	Excel	2.17	2012/10/01	0.9
(5)	JAMA/JAPIA Standard Material Datasheet Instruction	Download	ZIP	2.17	2012/10/01	1.0
(6)	Data input sample	Download	Excel	2.16	2012/06/01	0.6
(7)	Q&A	Download	PDF	2.17	2012/10/01	0.1
(8)	Application for addition to the external file	Download	Excel	-	2010/06/01	0.1
(10)	Explanation of Material List	Download	PDF	2.17	2012/10/01	0.2
(11)	Explanation of Standard Material data	Download	PDF	2.16	2012/06/01	0.3
(12)	VDA Classification	Download	PDF	-	2011/06/01	0.1
(13)	Summary of JAMA/JAPIA Standard Material Datasheet version upgrade (ver2.14)	Download	PDF	2.17	2012/10/01	0.2

(1) Download the Data Input Form

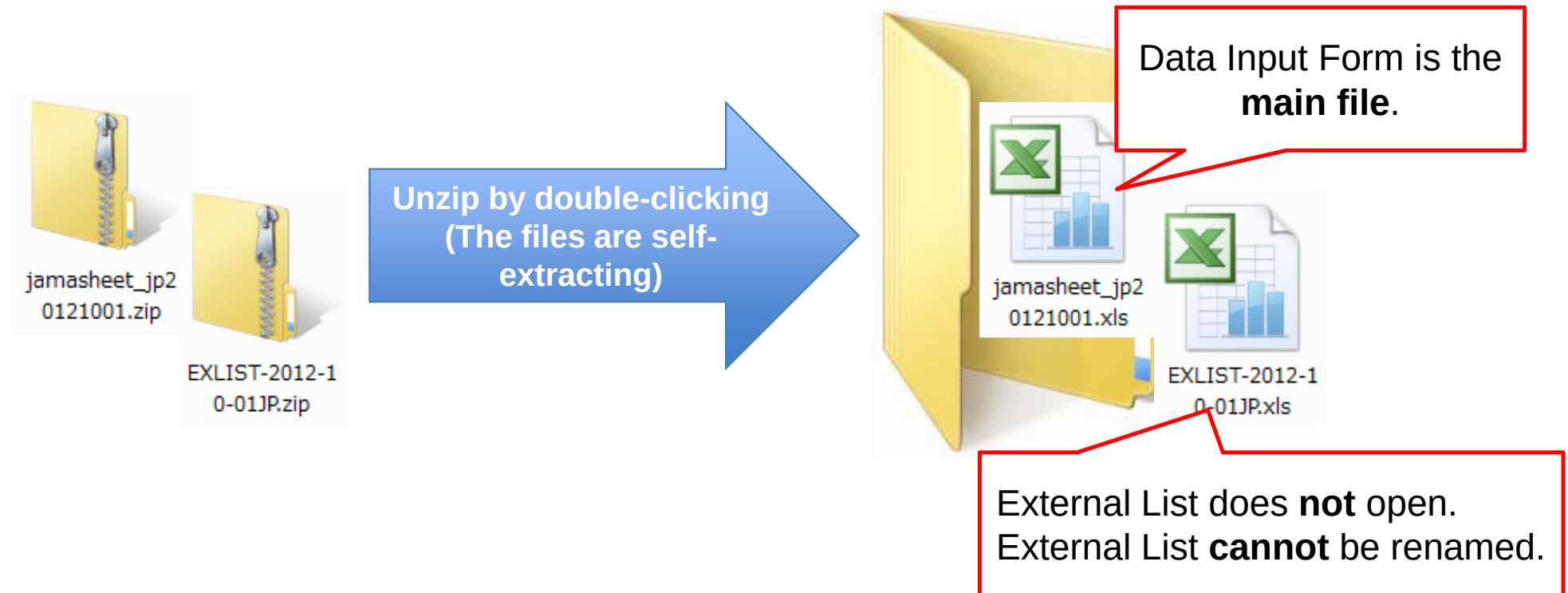
(2) Download the External file

3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

□ How to save the downloaded JAMA sheet

- Unzip the downloaded .zip files. Save the JAMA/JAPIA standard material data sheet (Data Input Form and External List) in the same folder.



□ Compatibility with earlier versions

(1) External List

INCOMPATIBLE:

Always use the same version for the same language as the Data Input Form.
Error check or select input will not work properly in the earlier versions of the External List.

(2) CSV File

COMPATIBLE.

CSV files prepared in an earlier version can be imported.
However, some parts may be in error due to the revision of the External List,
necessitating correction of data.

3. JAMA Sheet entries

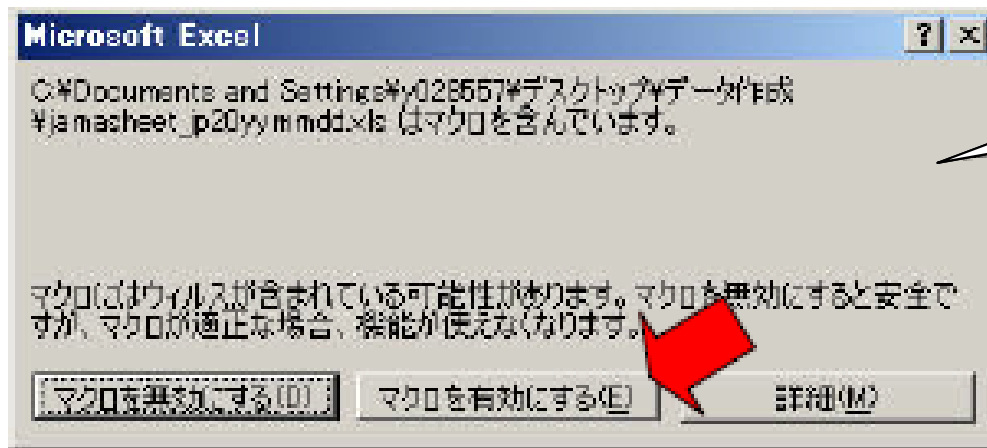


❑ Macro setting for opening the JAMA sheet

2. Open the Data Input Form

Double-click the “Data Input Form.”

Click “Enable macros” if the box below appears.



Example applies to Excel 2003.

Caution: Macros are enabled in a different procedure in Excel 2007.

* The macro does not work if the security level in Excel is “High.”
Set the level to “Medium” if necessary.

To change the macro security level:

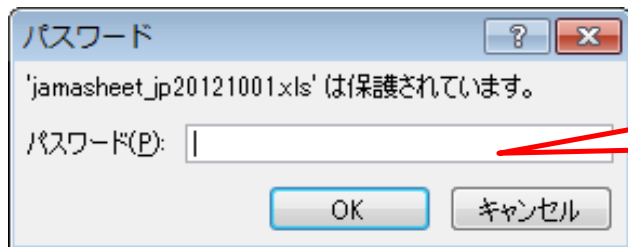
Tools > Macros > Security > Medium (in Excel 2003)

3. JAMA Sheet entries



- ❑ A password is required to open the JAMA Sheet.

Enter your password.



Your password will be sent separately.

Important!

- The password consists of one-byte alphanumeric characters and is case-sensitive.
- Your password is valid until the next revision of the JAMA sheet. The password may be reset upon revision of the JAMA sheet. Please contact JDI as necessary.
- Use the password only for investigating your supply chain. Be sure not to disclose your password to any third party.

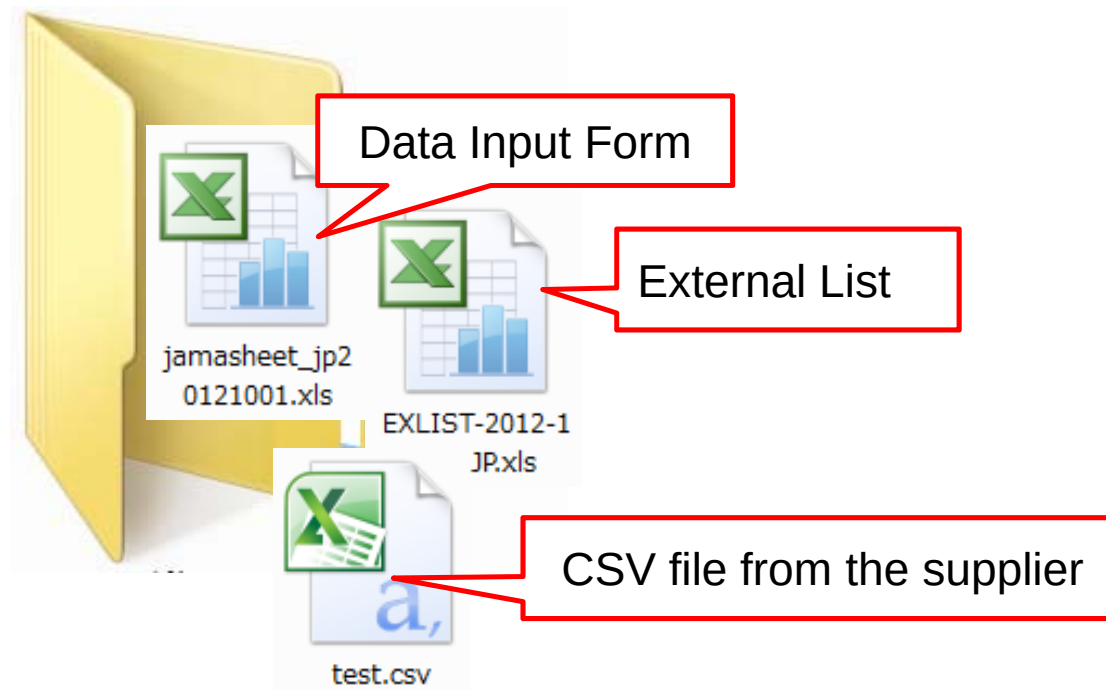
3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

- Always save the JAMA sheet in the same folder as the External List.

3. Import the CSV file into the Data Input Form

Save the CSV file in an appropriate folder.



3. JAMA Sheet entries

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□ How to import a completed CSV file into a blank JAMA sheet

Click the “import CSV” button in the JAMA “Data Input Form” sheet.

	A	B	C	D	E	F	G	H
1	Data check			Import CSV	Export as CSV	Export as XML	Delete all	
2								
3								
4	(1) Basic information			{for uploading to the JMS}				
5								
6	Item	Automobile manufacturer code	Supplier code	Supplier Name		Due Date	Reply Date	
7	Data type	ASCII characters	ASCII characters	ASCII characters		ASCII characters	ASCII characters	
8	Entered by:	requestor	requestor	requestor		requestor	supplier	
9								

Important!

- The JAMA sheet into which the CSV file is to be imported must be blank. Click the "Delete all" button to clear the sheet, if necessary.
- Existing data can be imported from an earlier version of the JAMA sheet even after the version upgrade of the JAMA sheet. However, errors may be found in an error check due to the version upgrade of the External List. Make corrections as necessary.
- Do not overwrite a CSV file opened by Excel. This would destroy the data, so that the CSV file could no longer be imported.

3. JAMA Sheet entries

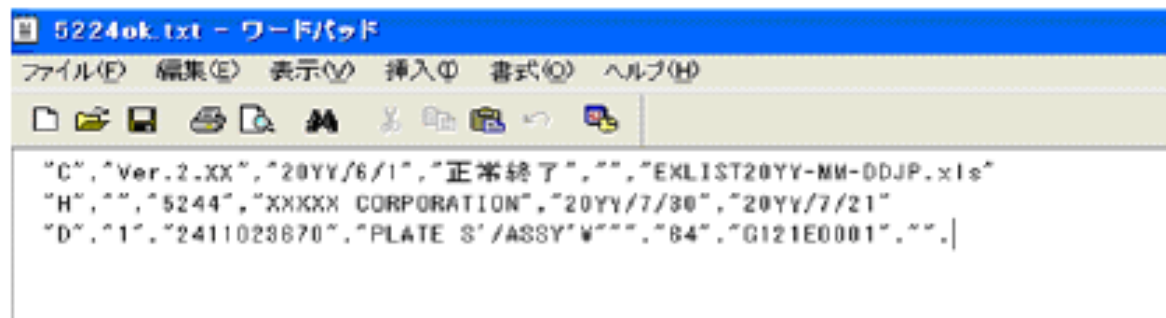
1 → 2 → 3 → 4 → 5

❑ What to do if the CSV file cannot be imported into the JAMA sheet

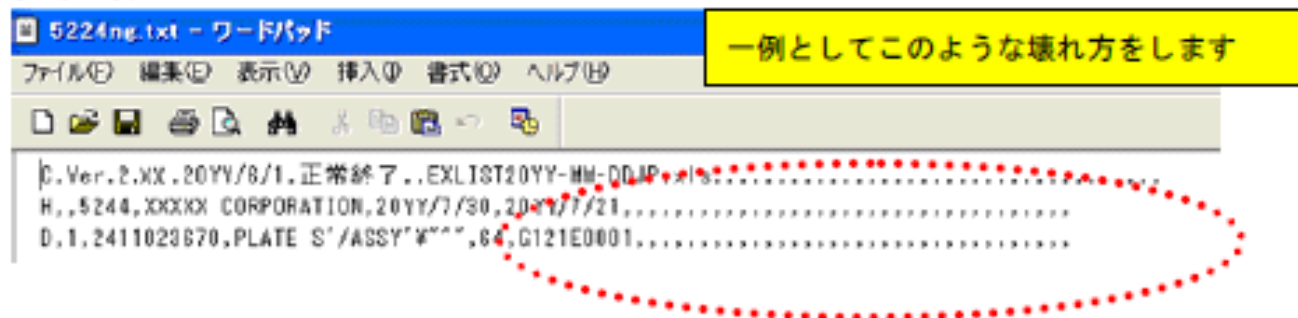
If a CSV file cannot be imported...

Open the file by WordPad or Notepad to check whether data are corrupted.

参考：正常なCSVファイル



参考：壊れたCSVファイル



For information: How to restore corrupted data

Ask the source company to resend the data, or open the corrupted CSV file by Excel and copy the necessary data such as article numbers to the Data Input Form, or select in accordance with the data.

3. JAMA Sheet entries



❑ How to check errors in the JAMA sheet with imported data

4. Check errors

Execute “Check input data” to confirm that all the data have been input correctly. Before doing this, be sure to save the data.

Clicking the “Check input data” button generates the check result in the “Message” sheet. If no error is found, the message “No error found” appears in the sheet.

Item	Automobile manufacturer code	Supplier code	Supplier Name	Due Date	Reply Date
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor	requestor	requestor	requestor	supplier

If data obtained show any error, inquire of the source and obtain error-free JAMA data.

Important!

JAMA data containing any error cannot be uploaded to JDI's chemical substances management system (jDesc).

❑ Notes on problems associated with different JAMA sheet versions (*)

5. Confirm the data

* Confirmation of data imported from an early version of JAMA sheet (CSV file) into the current version (Excel file)

Frequently encountered problems associated with different JAMA sheet versions (*)

No	Error	Action
1	Incorrect combination of compound code, compound name, and Node ID	Error messages may appear even for a correct combination or consistent values. Enter the correct data using the [Select] button.
2	Inconsistency between the input value and value existing in the list	
3	Others	When using a version 2.16 or higher to check data prepared by an earlier version, only the application code 20 can be selected. Since the current RoHS does not permit application code 20, the code must be changed. Select an appropriate “Constituting Material Name,” to which the alternatives for application code selection are linked. This correction is needed even when no error message appears.

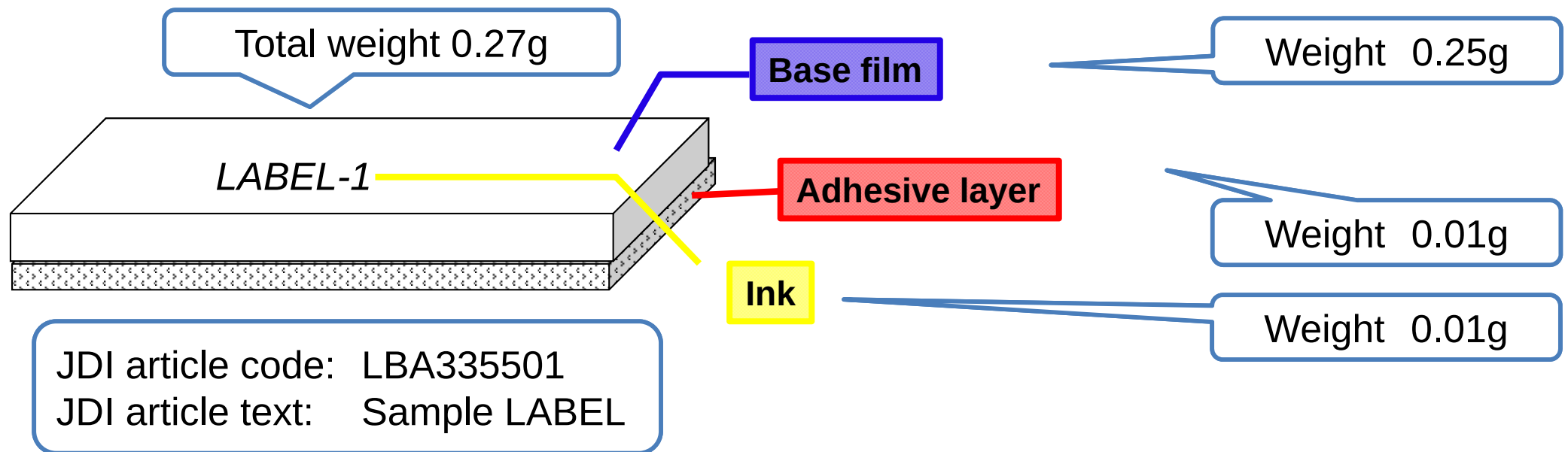
3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

□ Description of JAMA sheet entries

Detailed description of JAMA sheet entries

The JAMA sheet in JAPIA Document “Data Input Sample” (Case 7: Labels) is used as an example for explanation.



```
graph LR; 1[1] --> 2[2]; 2 --> 3[3]; 3 --> 4[4]; 4 --> 5[5];
```

- ## Information required for the JAMA sheet

Explanation starts with the first row of the JAMA sheet.

		T1		T2		T3		T4		T5		T6		T7		T8		T9		T10		T11		T12		T13		T14		T15		T16		T17		T18		T19		T20		T21		T22		T23		T24		T25		T26		T27		T28		T29		T30		T31		T32		T33		T34		T35		T36		T37		T38		T39		T40		T41		T42		T43		T44		T45		T46		T47		T48		T49		T50		T51		T52		T53		T54		T55		T56		T57		T58		T59		T60		T61		T62		T63		T64		T65		T66		T67		T68		T69		T70		T71		T72		T73		T74		T75		T76		T77		T78		T79		T80		T81		T82		T83		T84		T85		T86		T87		T88		T89		T90		T91		T92		T93		T94		T95		T96		T97		T98		T99		T100	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																						
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200																																																																																																						

101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116																																																																																				

3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

Information required in Basic Information

Enter information on JAMA sheet preparation in “Basic Information.”

	A	B	C	D	E	F	G	H
1	Data check			Import CSV	Export as CSV	Export as XML		
2								
3								
4	(1) Basic information			{for uploading to the JMS}				
5								
6	Item	<u>Automobile manufacturer code</u>	<u>Supplier code</u>	<u>Supplier Name</u>		<u>Due Date</u>	<u>Reply Date</u>	
7	Data type	ASCII characters	ASCII characters	ASCII characters		ASCII characters	ASCII characters	
8	Entered by:	requestor	requestor	requestor		requestor	supplier	
9								

No data
needed

Company
code*

Company name

No data
needed

Date of registration on jDesc
or completion of JAMA sheet

* Code in the jDesc system

3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

- Enter the 9-digit JDI article code (one-byte alphanumeric characters) in the “Delivered Component Number.”

Automatically input (calculated) by selecting the top cell of the column and clicking **[Automatic Coordination]** after entering all constituting material information.

Component structure level indicates affiliation of the component

1	2	3	4	5	6	7
	DELIVERY PART					
<u>SEQ No</u>	<u>Part Number</u>	<u>Part name</u>	<u>Weight [g/part]</u> Auto adjustment	<u>Drawing Change Level</u>	<u>Investigation flag</u> Select	<u>Part Structure</u>
1	LBA335501	Sample LABEL	0.27			1
2	LBA335501	Sample LABEL				2
3	LBA335501	Sample LABEL				2
4	LBA335501	Sample LABEL				2
5	LBA335501	Sample LABEL				2

JDI Article code

JDI Article text

Automatically entered

No data needed

Enter as necessary. See explanation of “JDI-supplied articles” (p. 129).

3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

- Weight in item 10 is automatically entered by clicking “automatic coordination” after entering weight into item XX.

Quantity of each component

8	9	10	11	12
COMPONENT PARTS				
<u>Part Number</u>	<u>Part name</u>	<u>Weight</u> <u>[g/part]</u> Auto adjustment	<u>Quantity</u> <u>[/upper part]</u>	<u>Surface</u> <u>treatment</u> <u>flag</u>
	Label base film	0.25	1	
	Label base film		1	
	Label base film		1	
	Label adhesive layer	0.01	1	
	Label adhesive layer		1	
	Label adhesive layer		1	
	Label ink	0.01	1	
	Label ink		1	
	Label ink		1	
	Label ink		1	
	Label ink		1	
	Label ink		1	
	Label ink		1	

Enter “1” for painting, plating, chemical conversion treatment, coating etc.

Important!
Do not erase
automatically entered “1.”
This would cause errors.

Automatically input by selecting the top cell of the component columns and clicking [Automatic Coordination] after entering all constituting material information (automatically calculated from the manually-entered material weights).

Enter as
necessary

Component name

3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

- Select appropriate “Constituting Material Name” from the window shown by clicking the “Select” button.

13

Material name

(1) **Select**

1. click “Select” button → 2. Enter search condition in “Select material” window → 3. Click “Search” button → 4. Select relevant material → 5. “OK”

(2) **Plastics PP**

Example: Plastics PP

(3) **Search**

(4) **Select relevant material**
Example: Plastics PP (Filled)

These actions result in automatic input of the following in appropriate cells:

- Surface treatment
- Constituting material name
- Material standard
- Material code
- Material symbol
- VDA Material code

28 materials found.

Surface treatment	Material name(EN)	Material	Norms/Standards	Material-No.	Symbol	VDA classification	IMDS node ID
	Plastics PP (Filled)	-	ISO1043	PP-\$	5.1a		
	Plastics PP-E (Filled)	-	ISO1043	PP-E-\$	5.1a		
	Plastics PP-HI (Filled)	-	ISO1043	PP-HI-\$	5.1a		
	Plastics PPE (Filled)	-	ISO1043	PPE-\$	5.1a		
	Plastics PPOX (Filled)	-	ISO1043	PPOX-\$	5.1a		
	Plastics PPS (Filled)	-	ISO1043	PPS-\$	5.1a		
	Plastics PPSU (Filled)	-	ISO1043	PPSU-\$	5.1a		
	Plastics PP alloy (Filled)	-	ISO1043	PP+\$-\$	5.1a		
	Plastics PP-E alloy (Filled)	-	ISO1043	PP-E+\$-\$	5.1a		
	Plastics PP-HI alloy (Filled)	-	ISO1043	PP-HI+\$-\$	5.1a		
	Plastics PPE alloy (Filled)	-	ISO1043	PPE+\$-\$	5.1a		
	Plastics PPOX alloy (Filled)	-	ISO1043	PPOX+\$-\$	5.1a		
	Plastics PPS alloy (Filled)	-	ISO1043	PPS+\$-\$	5.1a		
	Plastics PPSU alloy (Filled)	-	ISO1043	PPSU+\$-\$	5.1a		

(5) **OK**

3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

- Manually enter the material weight in homogeneous state in item 15 (to be reflected in item 15).
- Do not edit data displayed automatically when constituting material name is selected.

Enter material weight in the top of constituting material cells.

Manual input not needed!

Data are entered automatically when “Constituting Material Name” is selected.
Do not delete or edit.

14	15	16	17	18	19
	MATERIAL				
<u>Trade name</u>	<u>Weight</u> [g/component p Round off	<u>Norms/Standards</u>	<u>Material numb</u> (Metal or oth than plastics rubber materia	<u>Material symbol</u> (plastics or rubber)	<u>VDA</u> <u>Classificatio</u> <u>n</u>
F #001	0.25	ISO1043		PP-KD20	5.1a
F #001		ISO1043		PP-KD20	5.1a
F #001		ISO1043		PP-KD20	5.1a
#01	0.01	ISO1043	PAK		6.2
#01		ISO1043	PAK		6.2
#01		ISO1043	PAK		6.2
I-001	0.01	JAMAA4444	INK		6.1
I-001		JAMAA4444	INK		6.1
I-001		JAMAA4444	INK		6.1
I-001		JAMAA4444	INK		6.1
I-001		JAMAA4444	INK		6.1

Enter product name (serial number permitted for nameless articles or for confidentiality). *** Input mandatory**

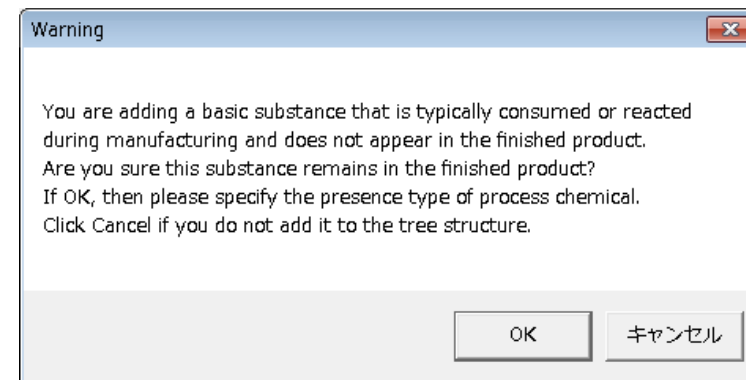
3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

How to handle process chemicals (volatile substances, etc.) as materials

Warning will pop up if more than 0.1% of a process chemical is contained.

20	23	24	25
SUBSTANCE			
Substance count	Chemical presence type Select	Substance code (CAS No.) Select	Substance name Portion
1		-	Plastic: PP 77
2		471-34-1	Calcium-carbonate 20
		system	Additives, not to declare 3
1		-	Basic Polymer: PAK 97
2	1	108-05-4	Acetic acid ethenyl ester 0.05
		system	Additives, not to declare 2.95
1		-	Polyethylene 53
2		147-14-8	Cu-Phthalocyanin 10
3		25053-15-0	Allyl phthalate, homopolymer 15
4		5102-83-0	C.I. Pigment Yellow 13 10
5	1	71868-10-5	2-Methoxypropyl acetate 5
		system	Misc, not to declare 7



Important!

Enter compounds contained in the final product only. Do not include process chemicals merely used in the production process.

Process chemicals are compounds that vaporize or that are converted to other compounds in the manufacturing process.

Assign numbers to the compounds present in the material. Leave the cell corresponding to **the compound code "system."*** blank.

* **Wildcard compounds:** compounds for which the code is "system." See explanation of wildcard compounds (p. 28).

❑ What is a wildcard compound?

Wildcard compound

A wildcard compound is a compound for which the compound code (CAS registry No.) has been replaced by “system.”

A wildcard is used to report confidential substances or substances under development with unknown ingredients.

Examples of wildcard compounds:

- Misc., not to declare
- Organic ingredient, not to declare
- Additives, not to declare

Important!

- The Wildcard cannot be used for substances requiring notification, prohibited substances, or substances requiring entry of an application code.
- The wildcard can be used only to report compound concentrations of **10% or lower in homogeneous state.**

3. JAMA Sheet entries

1 → 2 → 3 → 4 → 5

How to select a compound code (CAS No.)

1. Click the “Select” button → 2. Enter the search condition in the “Select compound” window → 3. Click the “Search” button → 4. Select relevant compound → 5. OK

(1) Click the “Select” button

(2) Enter the search condition in the “Select compound” window
Example: CAS No. 7440-50-8

(3) Click the “Search” button

(4) Select relevant compound
Example: Copper

(5) Click the “OK” button

No manual input needed!
Information automatically entered by selecting “compound name.” Do not delete or edit.

These actions result in **automatic input of the following into appropriate cells:**

- Compound code
- Compound name
- Node ID [compound]

Substance code (CAS No.)	Substance name	Portion
7440-50-8	Copper	1396

```
graph LR; 1[1] --> 2[2]; 2 --> 3[3]; 3 --> 4[4]; 4 --> 5[5];
```

28	29	30	31	32	34
RECYCLATE					Application
<u>Content of post industrial recycle (Minimum)</u>	<u>Content of post industrial recycle (Maximum)</u>	<u>Content of post consumer recycle (Minimum)</u>	<u>Content of post consumer recycle (Maximum)</u>	<u>Polymeric part(s) marked</u>	Select

0 0 0 0

Click “Select” to select a
impurities or similar cases

Click “Select” to select an appropriate code for regulated impurities or similar cases.

The application codes are specified by the exemption list of the European End-of-Life Vehicle Directive (EU-ELV Annex II). The code is required for **lead, cadmium, mercury, hexavalent chromium, nickel and polycyclic aromatic hydrocarbons (PAH)**.

```
graph LR; 1[1] --> 2[2]; 2 --> 3[3]; 3 --> 4[4]; 4 --> 5[5];
```

- ❑ No data input is needed in the JAPIA Option items.**

[illegible]

No manual input needed!

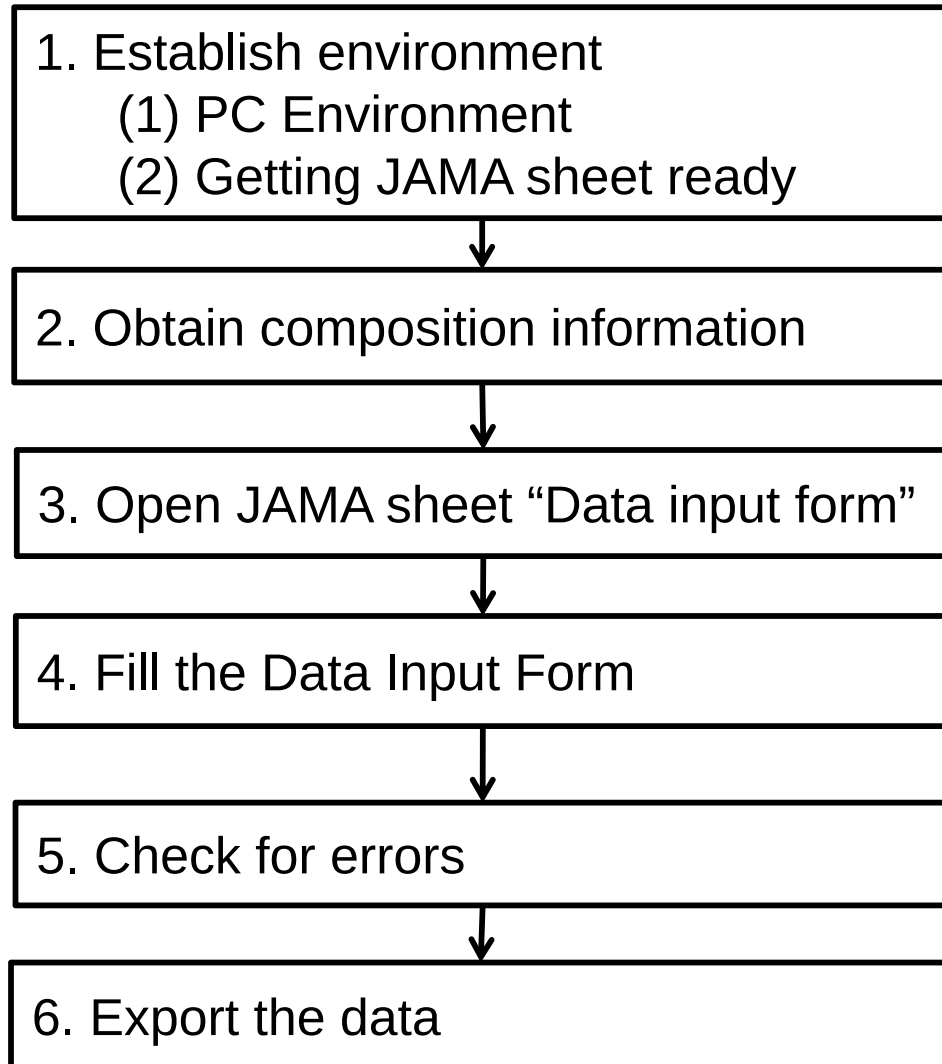
Table of Contents

1. What is the JAMA sheet?
2. Display image for JAMA sheet and content overview
3. JAMA Sheet entries
4. JAMA Sheet preparation
5. Notes on filling in JAMA sheet
6. JDI-Specific requirements in JAMA sheet

4. JAMA Sheet preparation

□ JAMA sheet preparation procedure

Overview of the procedure



4. JAMA Sheet preparation

❑ Important check points in JAMA sheet preparation

Important check points in JAMA sheet preparation

No.	Description	Reference page
1	Do not delete or edit data entered using the [Automatic coordination] or [Select] button, or automatically displayed in cells when the [Select] button is clicked. Do not enter these data manually.	P. 117-121
2	Entries should consist of one-byte alphanumeric characters only. Do not paste any entry copied from other files.	P. 116
3	Be sure that the sheet is error-free by checking for errors.	P. 18
4	The concentration of any wildcard compound should not exceed 10%.	P. 27
5	Input in item 14 “Material trade name” is mandatory.	P. 54
6	“Delivered component number” and “Delivered component name” should be identical with “JDI Article number” and “JDI Article text” of jDesc, respectively.	P. 125
7	Enter compounds contained in the final product only for process chemicals. Do not include process chemicals merely used in the production process in the “Compound”.	P. 26

4. JAMA Sheet preparation



□ PC environment for viewing the JAMA sheet

1. Establish environment

(1) PC Environment

- Hardware:

 - CPU: Pentium II, 350 MHz, or higher

 - Memory: 128 MB or more

 - Free space in HDD: 50 MB

- Software:

 - Authentic Microsoft Excel (Japanese, English, or Chinese version) should be present

4. JAMA Sheet preparation



□ How to download JAMA sheet

(2) Getting JAMA sheet ready

- Download the files.

Download the latest version of the JAMA/JAPIA Standard Material Data Sheet (Data Input Form and External List) from the site indicated below, as necessary.

URL: <http://www.japia.or.jp/english/datasheet.html>

***Use the Data Input Form and External List of the same version for the same language.**

No	Document name	Download	Format	Version	Updated on	Size (MB)
(1)	JAMA/JAPIA Standard Material Datasheet (Data input form)	Download	ZIP	2.17	2012/10/01	0.0
(2)	JAMA/JAPIA Standard Material Datasheet (External file)	Download	ZIP	2.17	2012/10/01	9.2
(3)	JAMA/JAPIA Standard Material Datasheet external file : Abstract	Download	Excel	2.17	2012/10/01	0.9
(5)	JAMA/JAPIA Standard Material Datasheet Instruction	Download	ZIP	2.17	2012/10/01	1.0
(6)	Data input sample	Download	Excel	2.16	2012/06/01	0.6
(7)	Q&A	Download	PDF	2.17	2012/10/01	0.1
(8)	Application for addition to the external file	Download	Excel	-	2010/06/01	0.1
(10)	Explanation of Material List	Download	PDF	2.17	2012/10/01	0.2
(11)	Explanation of Standard Material data	Download	PDF	2.16	2012/06/01	0.3
(12)	VDA Classification	Download	PDF	-	2011/06/01	0.1
(13)	Summary of JAMA/JAPIA Standard Material Datasheet version upgrade (ver2.14)	Download	PDF	2.17	2012/10/01	0.2

(1) Download the Data Input Form

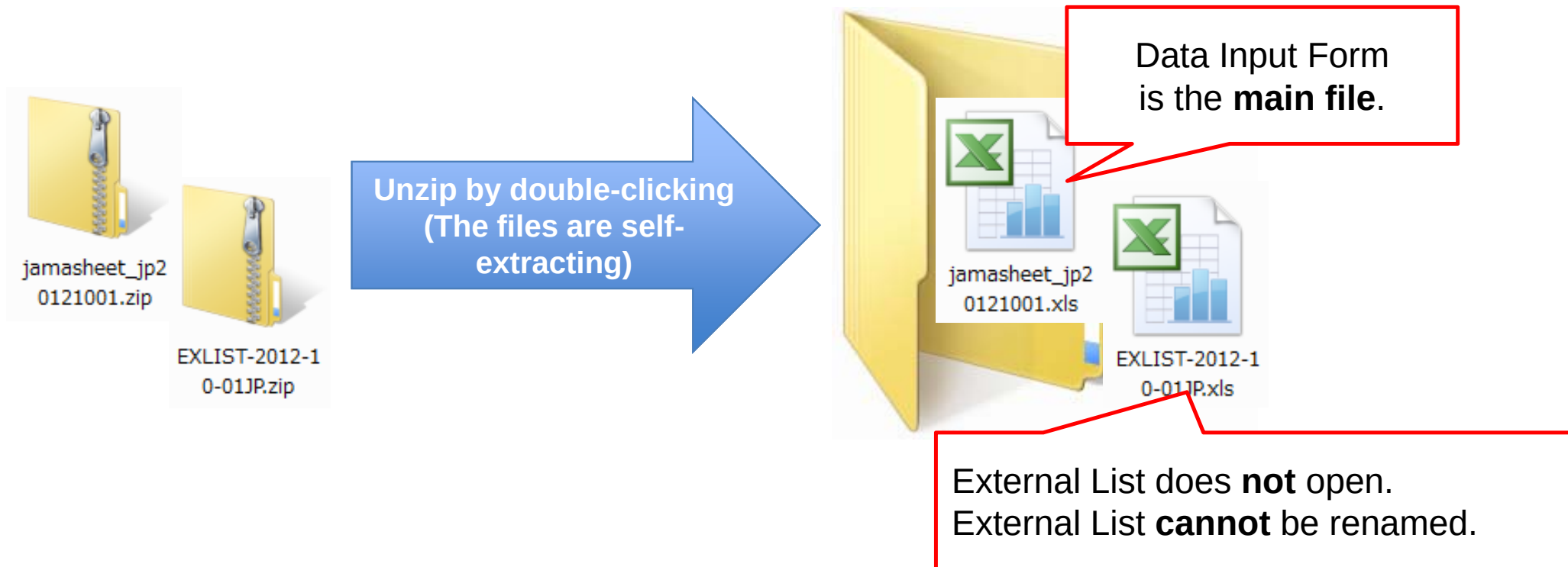
(2) Download the External file

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to save the downloaded JAMA sheet

- Unzip the downloaded .zip files. Save the JAMA/JAPIA standard material data sheet (Data Input Form and External List) in the same folder.



4. JAMA Sheet preparation



- ❑ The first step to JAMA sheet preparation: obtain contained composition information

2. Obtain contained composition information

Ask your supplier for information on the component and its affiliation, along with data on the constituent chemical substances (as homogeneous material).

- Since the data are registered on our chemical substances management system (jDesc) through the JAMA sheet, it is desirable to obtain relevant data in the current version of JAMA sheet.
- However, data in any format are acceptable so long as information indicated above is shown.
- It is recommended to attach appropriate MSDSs in English, in order to validate the contained composition information.

4. JAMA Sheet preparation

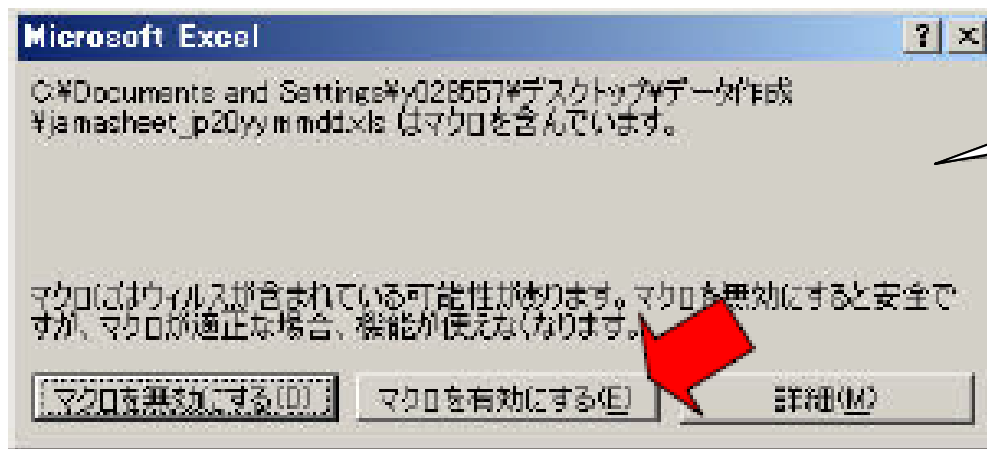


□ Macro setting for opening the JAMA sheet

3. Open the Data Input Form

Double-click the “Data Input Form.”

Click “Enable macros” if the box below appears.



Example applies to Excel 2003.

Caution: Macros are enabled in a different procedure in Excel 2007.

* The macro does not work if the security level in Excel is “High.”
Set the level to “Medium” if necessary.

To change the macro security level:

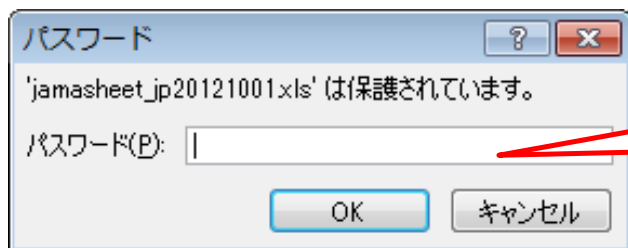
Tools > Macros > Security > Medium (in Excel 2003)

4. JAMA Sheet preparation



- ❑ A password is required to open the JAMA Sheet.

Enter your password.



Your password will be sent separately.

Important!

- The password consists of one-byte alphanumeric characters and is case-sensitive.
- Your password is valid until the next revision of the JAMA sheet. The password may be reset upon revision of the JAMA sheet. Please contact JDI as necessary.
- Use the password only for investigating your supply chain. Be sure not to disclose your password to any third party.

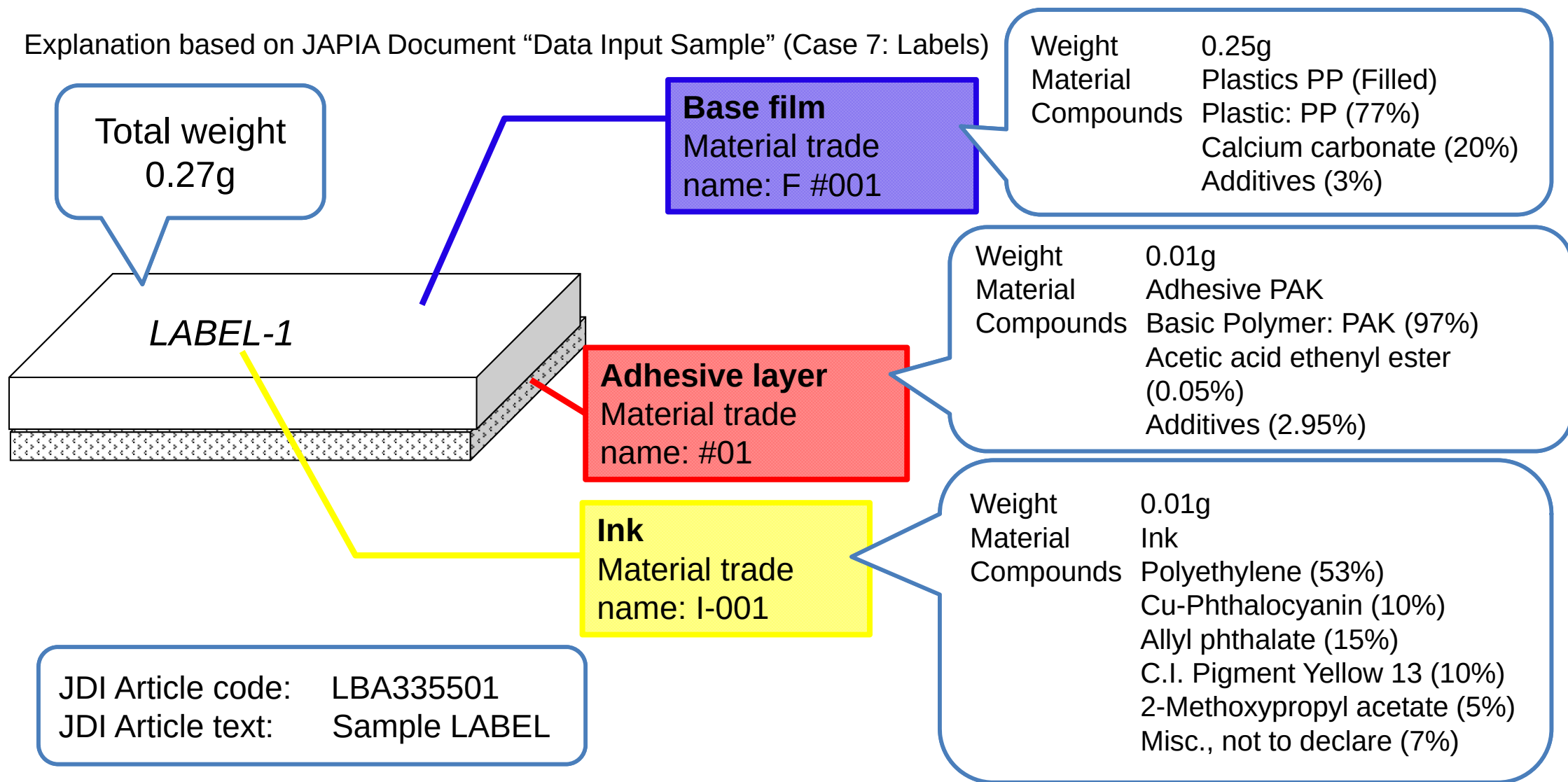
4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ JAMA sheet preparation illustrated by a label

4. JAMA sheet preparation starting from a blank form

Explanation based on JAPIA Document “Data Input Sample” (Case 7: Labels)



4. JAMA Sheet preparation

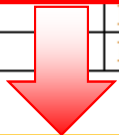
1 → 2 → 3 → 4 → 5 → 6

□ The first sheet to open in JAMA sheet preparation

◆ Open the sheet “Data Input Form.”

‘Data input form’ consists of 4 types of sheet.

No.	Sheet name	Function
1	Cover	Overview of the JAMA sheet
2	Entry sheet	Input, Error checking, File IO
3	Description	Description of cells in Entry sheet
4	MESSAGE	Display Error check result



Data check **Import CSV** **Export as CSV** **Export as XML**
(for uploading to the JMS)

(1) Basic information

Item	Automobile manufacturer code	Supplier code	Supplier Name
Data type	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor	requestor	requestor

(2) Investigation result of Material and Substance

Item No.	1	2	3
		DELIVERY PART	
Item	SEQ No	Part Number	Part name

Raw copy
Raw deletion

Cover **Entry** Description MESSAGE

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

Information required in Basic Information

Enter information on JAMA sheet preparation in “Basic Information.”

	A	B	C	D	E	F	G	H
1	Data check			Import CSV	Export as CSV	Export as XML	Delete all	
2								
3								
4	(1) Basic information				(for uploading to the JMS)			
5								
6	Item	Automobile manufacturer code	Supplier code	Supplier Name		Due Date	Reply Date	
7	Data type	ASCII characters	ASCII characters	ASCII characters		ASCII characters	ASCII characters	
8	Entered by:	requestor	requestor	requestor		requestor	supplier	
9								

No data
needed

Company
code*

Company name

No data
needed

Date of registration on jDesc
or completion of JAMA sheet

* Code in the jDesc system

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ Show or hide the title row of the Data Input Form

Enter data in the “Data Input Form” sheet.

Click “-” to hide the title row and increase the number of input rows. The mark changes to “+.” Clicking “+” restores the “-” sign.

Item No.	1	2	3	4	5	6
	DELIVERY PART					
	SEQ No	Part Number	Part name	Weight [g/part]	Drawing Change Level	Investigati on flag
				Auto adjustment		Select
Entered by:	supplier	requestor or supplier	requestor or supplier	requestor or supplier	requestor or supplier	requestor or supplier
Required/Optional	required	required	required	required (Enter in only the top row for the same part.)	optional	Optional of requestor
Data type	Number	ASCII characters	ASCII characters	Number	ASCII characters	Number
number of digits (integer number)	5	25	40	9	10	2
number of digits (decimal points)	0	0	0	6	0	0

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter delivered component information

Enter information on the component delivered.

1. Enter JDI article code “LBA335501” in cell D24 (top cell for delivered component number).
2. Enter JDI article text “Sample Label” in cell E24 (top cell for delivered component name).

A	B	C	D	E	F	G	H
1	Data check		Import CSV	Export as CSV	Export as XML	Delete all	
2			(for uploading to the IMDS)				
3							
4	(1) Basic information						
5	Item	Automobile manufacturer code	Supplier code	Supplier Name	Due Date	Reply Date	
6	Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters	
7	Entered by:	requestor	requestor	requestor	requestor	supplier	
8							
9							
10							
11							
12	(2) Investigation result of Material and Substance						
13							
14	Item No.	1	2	3	4	5	6
15			DELIVERY PART				
16	Row copy				Weight [g/part]	Drawing Change Level	Investigation flag
17	Row deletion				Auto adjustment		Select
18	Item	SEQ No	Part Number	Part name			
19							
20							
21							
22							
23			LBA335501	Sample LABEL			
24							
25							
26							

1 2

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to copy a row

Use the “Row copy” button for efficient data input.

3. Select the entire row 24 (click any cell in the row, then Shift + Space).

The screenshot displays the JAMA Sheet preparation interface. At the top, there are buttons for "Data check", "Import CSV", "Export as CSV", "Export as XML", and "Delete all". Below these, there are sections for "Basic information" and "Investigation result of Material and Substance". The "Investigation result of Material and Substance" section contains a table with columns for Item No., SEQ No., Part Number, Part name, Weight [g/part], Drawing Change Level, and Investigat n flag. Row 24 is highlighted in blue, and a black arrow points to it. The bottom of the interface shows a navigation bar with buttons for "Cover", "Entry", "Description", and "MESSAGE".

Item No.	1	2	3	4	5	6
Item	Automobile manufacturer code	Supplier code	Supplier Name	Due Date	Reply Date	
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor	requestor	requestor	requestor	supplier	
Item No.	1	2	3	4	5	6
Item	SEQ No	Part Number	Part name	Weight [g/part]	Drawing Change Level	Investigat n flag
				Auto adjustment		Select
24		LBA335501	Sample LABEL			
25						
26						

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to copy a row (continued)

4. Click “Row copy” as many times as the number of subcomponents.

In this example, click the button three times (since the label consists of three subcomponents: base film, adhesive layer, and ink). A total of four “Sample Label” rows are created.

The screenshot displays the JAMA Sheet preparation interface. At the top, a header bar contains buttons: "Data check", "Import CSV", "Export as CSV", "Export as XML", and "Delete all". Below this is a section titled "(1) Basic information" with a table for "Automobile manufacturer code", "Supplier code", "Supplier Name", "Due Date", and "Reply Date". The next section is "(2) Investigation result of Material and Substance", which includes a table with columns: "Item No.", "SEQ No", "Part Number", "Part name", "Weight [g/part]", "Drawing Change Level", and "Investigat n flag". The "Row copy" button is highlighted with a red circle and an arrow. The bottom of the screen shows a status bar with "Cover", "Entry", "Description", and "MESSAGE".

Item No.	1	2	3	4	5	6
		DELIVERY PART				
	SEQ No	Part Number	Part name	Weight [g/part]	Drawing Change Level	Investigat n flag
1		LBA335501	Sample LABEL			
2		LBA335501	Sample LABEL			
3		LBA335501	Sample LABEL			
4		LBA335501	Sample LABEL			

4. JAMA Sheet preparation



How to enter the component structure level

Enter component information.

5. Enter “1” as the component structure level in cell I24.

6. Enter “2” as the component structure level in cells I25-I27.

	A	B	C	D	E	F	G	H	I
1									
2									
3									
12									
13									
14									
15									
16									
23									
24									
25									
26									
27									
28									

	A	B	C	D	E	F	G	H	I
1									
2									
3									
12									
13									
14									
15									
16									
23									
24									
25									
26									
27									
28									

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to enter the component name

7. Enter “Label base film” in cell K25.
8. Enter “Label adhesive layer” in cell K26.
9. Enter “Label ink” in cell K27.

A		B	C	I	J	K	L
1	Data check				Lock		
2							
3							
12	(2) Investigation result of Material an						
13							
14	Item No.		1	7	8	9	10
15				COMPONENT PARTS			
	Row copy						Weight [g/part]
	Row deletion		Item	SEQ No	Part Structure	Part Number	Part name
16							Auto adjustment
23							
24			1	1			
25			2	2			Label base film
26			3	2			Label adhesive layer
27			4	2			Label ink
28							

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter component quantity

10. Enter “1” as the component quantity in cells M25-M27.

	A	B	C	K	L	M	N
1	Data check						
2							
3							
12	(2) Investigation result of Material an						
13							
14		Item No.	1	9	10	11	12
15				COMPONENT PARTS			
					Weight [g/part]	Quantity [/upper part]	Surface treatment flag
					Auto adjustment		
16							
23							
24			1				
25			2	Label base film		1	
26			3	Label adhesive layer		1	
27			4	Label ink		1	
28							

Row copy
Row deletion

Item

SEQ No

Part name

10 →

Cover Entry Description MESSAGE

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter material information

Enter material information (Label base film)

11. Click on cell O25; then click “Select” in the constituting material information column.

The screenshot displays a software interface for JAMA Sheet preparation. The main area is a table with columns labeled A through P. The table is divided into sections: a 'Data check' section at the top, followed by a section titled '(2) Investigation result of Material and'. Below this, there is a table with columns for Item No., SEQ No., Quantity, Surface treatment flag, Material name, and Trade name. The 'Material name' column contains a 'Select' button, which is circled in red. A red box with the number '1' points to the 'Select' button, and a red box with the number '2' points to the 'Material name' column header. The 'Select' button is also highlighted with a red circle. The 'Item No.' column contains a list of numbers (1, 2, 3, 4) and a '1' in the first row. The 'Quantity' column contains a list of numbers (1, 1, 1, 1) and a '1' in the first row. The 'Surface treatment flag' column contains a list of numbers (1, 1, 1, 1) and a '1' in the first row. The 'Material name' column contains a list of numbers (1, 1, 1, 1) and a '1' in the first row. The 'Trade name' column contains a list of numbers (1, 1, 1, 1) and a '1' in the first row. The 'Select' button is located in the 'Material name' column, row 1. The 'Select' button is also highlighted with a red circle. The 'Select' button is also highlighted with a red circle. The 'Select' button is also highlighted with a red circle.

Item No.	1	11	12	13	14
SEQ No				Material name	Trade name
Quantity [/upper part]				Select	
Surface treatment flag					
1					
2	1				
3	1				
4	1				

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- How to conduct search in the window displayed upon clicking “Select” in “Constituting material name”

12. In the “Select material” window displayed, enter “Plastics PP” in the “Material name” field and click “Search.”

The screenshot shows a 'Select material' dialog box with the following fields and buttons:

- Surface treatment
- Material name(Eng) - Contains 'Plastics PP' (circled in red, with a red '1' and arrow pointing to it)
- Material name(JP)
- Norms/Standards
- Material-No.
- Symbol
- VDA classification
- Search (circled in red, with a red '2' and arrow pointing to it)
- Cancel

Instructions: Please enter search criteria and click OK button.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to select the relevant material

13. Select “Plastics PP” from the list of the materials retrieved, and click “OK.”

Select material

Please enter search criteria and click OK button.

Surface treatment flag:

Material name(EN):

Material name(JP):

Norms/Standards:

Material-No.:

Symbol:

VDA classification:

Click OK button and the material information is filled.
Please note that the material information is overwritten if it exists.

28 materials found.

Surface treatment	Material name(EN)	Material name(JP)	Norms/Standards	Material-No.	Symbol	VDA classification	IMDS node ID
	Plastics PP (Filled)	-	ISO 1043		PP-\$	5.1.a	
	Plastics PP-E (Filled)	-	ISO 1043		PP-E-\$	5.1.a	
	Plastics PP-HI (Filled)	-	ISO 1043		PP-HI-\$	5.1.a	
	Plastics PPE (Filled)	-	ISO 1043		PPE-\$	5.1.a	
	Plastics PPOX (Filled)	-	ISO 1043		PPOX-\$	5.1.a	
	Plastics PPS (Filled)	-	ISO 1043		PPS-\$	5.1.a	
	Plastics PPSU (Filled)	-	ISO 1043		PPSU-\$	5.1.a	
	Plastics PP alloy (Filled)	-	ISO 1043		PP+\$-\$	5.1.a	
	Plastics PP-E alloy (Filled)	-	ISO 1043		PP-E+\$-\$	5.1.a	
	Plastics PP-HI alloy (Filled)	-	ISO 1043		PP-HI+\$-\$	5.1.a	
	Plastics PPE alloy (Filled)	-	ISO 1043		PPE+\$-\$	5.1.a	
	Plastics PPOX alloy (Filled)	-	ISO 1043		PPOX+\$-\$	5.1.a	
	Plastics PPS alloy (Filled)	-	ISO 1043		PPS+\$-\$	5.1.a	
	Plastics PPSU alloy (Filled)	-	ISO 1043		PPSU+\$-\$	5.1.a	

4. JAMA Sheet preparation



Information on the selected material automatically entered

14. Items listed below are automatically entered in the “Data Input Form.”

Constituting material name: Plastics PP (filled)
Material standard: ISO 1043
Material code: PP-\$*
VDA Material classification: 5.1.a

The screenshot displays the JAMA Data Input Form. The form is organized into columns labeled A through U. The 'MATERIAL' section is highlighted in green. The 'Material name' field contains 'Plastics PP (Filled)', the 'Material standard' field contains 'ISO1043', the 'Material code' field contains 'PP-\$', and the 'VDA Classification' field contains '5.1.a'. Arrows point to these fields, which are circled in red. The 'Data check' button is visible in the top left corner. The 'Row copy' and 'Row deletion' buttons are also present. The 'Material name' field has a 'Select' button. The 'Weight' field has a 'Round off' button. The 'Material number' field has a 'Round off' button. The 'Material symbol' field has a 'Round off' button. The 'VDA Classification' field has a 'Round off' button.

Item No.	1	13	14	15	16	17	18	19
1	1	Material name	Trade name	Weight [g/component part]	Norms/Standards	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification
2	2	Plastics PP (Filled)		ISO1043		PP-\$	5.1.a	
3	3							
4	4							

4. JAMA Sheet preparation



■ Material codes containing “@” or “\$”

15. Items listed below are automatically entered in the “Data Input Form.”

Constituting material name:	Plastics PP (filled)
Material standard:	ISO 1043
Material code:	PP-\$*
VDA Material classification:	5.1.a

* When the material code contains “@” or “\$”:

A \$ sign must be replaced by an appropriate character string. A @ sign must be deleted or replaced by an appropriate character string.

For details, refer to:

- Abridged Manual

- 3) (3) Entering information on materials used in each article
(Standard, code, etc.)

➤ For metals and materials related to plating according to the JIS standards, the codes and names of compounds as specified in the standards are also entered automatically. An appropriate number of rows are copied accordingly.

4. JAMA Sheet preparation



□ How to handle “@” or “\$” in the material code

16. Replace the “\$” sign in the material code “PP-\$.”

The “\$” sign is intended to represent a shape symbol for metals or filler information for resins.

In the present case, the label base film contains 20% calcium carbonate as the filler (See p. 1, Data input sample).

The form of the filler is “fine grain or powder.”

Using the JIS symbols K for calcium carbonate and D for fine grain or powder, the 20% calcium carbonate in the base film is represented by “KD20.”

The material code “PP-\$” is thus replaced by “PP-KD20.”

For information: Information of the JIS standards (Japanese only) is provided in:

<http://www.jisc.go.jp/app/JPS/JPSO0020.html>

1	16	17	18	19
<u>SEQ No</u>	<u>Norms/Standards</u>	<u>Material number</u> (Metal or other than plastics or rubber materials)	<u>Material symbol</u> (plastics or rubber)	<u>VDA</u> <u>Classification</u> <u>n</u>
1				
2	ISO1043		PP-KD20	5.1a
3				

```
graph LR; 1 --> 2 --> 3 --> 4 --> 5 --> 6
```

How to enter the material trade name

17. Enter the material trade name for this example F#001 in cell P25.

The screenshot displays the 'Material' screen within the 'Investigation result of Material' section. The interface includes a table with the following columns: Item No., SEQ No., Surface tretment flag, Material name, Trade name, Weight [g/component part], and Round off. A black arrow points to the 'F #001' entry in the 'Material name' column, which is circled in red. The bottom of the screen features a navigation bar with buttons for Cover, Entry, Description, and MESSAGE.

Item No.	SEQ No.	Surface tretment flag	Material name	Trade name	Weight [g/component part]	Round off
1						
2			Plastics PP (Filled)			
3						
4						

- * Input of the material trade name is optional in the JAMA sheet but mandatory in jDesc.
If it is missing, an error is caused when uploading the file.
Each material requires the trade name. If the name does not exist or cannot be disclosed,
a serial number may be used for each material for identification.

```
graph LR; 1[1] --> 2[2]; 2 --> 3[3]; 3 --> 4[4]; 4 --> 5[5]; 5 --> 6[6];
```

■ How to enter material information for the adhesive layer

Enter material information for the adhesive layer.

18. Click cell O26; then click “Select” in the constituting material information column.

(2) Investigation result of Material analysis

Item No.	1	12	13	14	15
					MATERIAL
	<u>SER No</u>	<u>Surface treatment flag</u>	<u>Material name</u> Select	<u>Trade name</u>	<u>Weight [g/component part]</u> Round off

1

2

1

2

Plastics PP (Filled)

F #001

Cover Entry Description MESSAGE

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- How to conduct search in the window displayed on clicking “Select” in “Constituting material name”

19. In the “Select material” window displayed, enter “Adhesive PAK” in the “Material name” field and click “Search.”

The screenshot shows a 'Select material' dialog box with the following fields and buttons:

- Surface treatment fl: [Empty field]
- Material name(EN): [Adhesive PAK] (Annotated with a red box '1' and a red circle around the text)
- Material name(JP): [Empty field]
- Norms/Standards: [Empty field]
- Material-No.: [Empty field]
- Symbol: [Empty field]
- VDA classification: [Empty field]
- Search: [Button, circled in red with a red box '2' and an arrow pointing to it]
- Cancel: [Button]

The dialog box also contains the text: "Please enter search criteria and click OK button."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to select the relevant material

20. Only one “Adhesive PAK” has been selected. Simply click “OK.”

Select material

Please enter search criteria and click OK button.

Surface treatment flag Material-No.

Material name(EN) Symbol

Material name(JP) VDA classification

Norms/Standards

Click OK button and the material information is filled.
Please note that the material information is overwritten if it exists.

1 materials found.

Surface treatment	Material name(EN)	Material name(JP)	Norms/Standards	Material-No.	Symbol	VDA classification	IMDS node ID
	Adhesive PAK	-	ISO1043	PAK		6.2	

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

Information on the selected material automatically entered

21. Items listed below are automatically entered in the “Data Input Form.”

Constituting material name: Adhesive PAK
Material standard: ISO 1043
Material code: PAK
VDA Material classification: 6.2

For metals and materials related to plating according to the JIS standards, the codes and names of compounds as specified in the standards are also entered automatically. An appropriate number of rows are copied accordingly.

The screenshot displays the JAMA Data Input Form. The form is divided into several sections. The top section is labeled "Data check". Below it, the "Investigation result of Material analysis" section is visible. The main data entry area is a table with columns for Item No., SEQ No., Material name, Trade name, Weight, Norms/Standards, Material number, Material symbol, and VDA Classification. The table is populated with data for Item No. 1, 13, 14, 15, 16, 17, 18, and 19. The "Material name" column contains "Adhesive PAK" (circled in red). The "Weight" column contains "F #001". The "Norms/Standards" column contains "ISO1043" (circled in red). The "Material number" column contains "PAK" (circled in red). The "Material symbol" column contains "PP-KD20". The "VDA Classification" column contains "6.2" (circled in red). Arrows point to these circled entries. The bottom of the form shows a navigation bar with buttons for Cover, Entry, Description, and MESSAGE.

Item No.	1	13	14	15	16	17	18	19
SEQ No.								
Material name		Adhesive PAK						
Trade name								
Weight [g/component part]		F #001						
Norms/Standards				ISO1043				
Material number (Metal or other than plastics or rubber materials)				PAK				
Material symbol (plastics or rubber)						PP-KD20		
VDA Classification							6.2	

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to enter the material trade name

22. Enter the material trade name for this example #01 in cell P26.

The screenshot displays a software interface for preparing a JAMA sheet. It features a grid with columns labeled A through R and rows numbered 1 through 28. A yellow 'Data check' button is located in cell A1. A green header row (row 15) is labeled 'MATERIAL'. Below this, a table structure is visible with columns for 'Item No.', 'SEQ No.', 'Material name', 'Trade name', 'Weight [g/component part]', and 'Norms/Stan'. A black arrow points to cell P26, which contains the text '#01' and is circled in red. The interface also includes buttons for 'Row copy', 'Row deletion', 'Select', and 'Round off'.

Item No.	1	13	14	15	16
SEQ No.					
Material name					
Trade name					
Weight [g/component part]					
Norms/Stan					
1					
2		Plastics PP (Filled)			ISO1043
3		Adhesive PAK			ISO1043
4					

- * Input of the material trade name is optional in the JAMA sheet but mandatory in jDesc.
If it is missing, an error is caused when uploading the file.

Each material requires the trade name. If the name does not exist or cannot be disclosed, a serial number may be used for each material for identification.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to enter material information for the “Label adhesive layer”

Enter material information for the ink.

23. Click cell O27; then click “Select” in the constituting material information column.

The screenshot displays the JAMA Sheet preparation interface. The top section shows a 'Data check' button and a 'Row copy' button. The main table has columns for Item No., SEQ No., Material name, Trade name, Weight [g/component part], and Norms/Stan. A red box labeled '2' points to the 'Select' button in the 'Material name' column. A red box labeled '1' points to the 'Adhesive PAK' row in the 'Material name' column. The 'Adhesive PAK' row is highlighted in yellow.

Item No.	1	13	14	15	16
		<u>Material name</u>	<u>Trade name</u>	<u>Weight</u> [g/component part]	<u>Norms/Stan</u>
1					
2		Plastics PP (Filled)	F #001		ISO1043
3		Adhesive PAK	#01		ISO1043
4					

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- How to conduct search in the window displayed upon clicking “Select” in “Constituting material name”

24. In the “Select material” window displayed, enter “Ink” in the “Material name” field and click “Search”.

The screenshot shows a 'Select material' dialog box with the following fields and buttons:

- Surface treatment flag
- Material name(EN): **1** (red box) points to this field, which contains 'Ink' (circled in red).
- Material name(JP)
- Norms/Standards
- Material-No.
- Symbol
- VDA classification
- 2** (red box) points to the 'Search' button (circled in red).
- Cancel button

Instructions inside the window: Please enter search criteria and click OK button.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to select the relevant material

25. Select “Ink” from the list of the materials retrieved, and click “OK.”

Select material

Please enter search criteria and click OK button.

Surface treatment flag Material-No.

Material name(EN) Symbol

Material name(JP) VDA classification

Norms/Standards

Click OK button and the material information is filled.
Please note that the material information is overwritten if it exists.

2 materials found.

Surface treatment	Material name(EN)	Material name(JP)	Norms/Standards	Material-No.	Symbol	VDA classification	IMDS node ID
	Chain link wire netting	-	JISG3552	\$		1.1.1	
	Ink	-	JAMAA4444	INK		6.1	

1

2

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

Information on the selected material automatically entered

26. Items listed below are automatically entered in the “Data Input Form.”

Constituting material name: Ink
 Material standard: JAMAA4444
 Material code: INK
 VDA Material classification: 6.1

For metals and materials related to plating according to the JIS standards, the codes and names of compounds as specified in the standards are also entered automatically. An appropriate number of rows are copied accordingly.

Data check		MATERIAL							
Item No.	1	13	14	15	16	17	18	19	20
SEQ. No	Material name	Trade name	Weight [g/component part]	Norms/Standards	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification	Substar count	
1	Plastics PP (Filled)	F #001		ISO1043		PP-KD20	5.1a		
2	Adhesive PAK	#01		ISO1043	PAK		0.2		
3	Ink			JAMAA4444	INK		6.1		

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the material trade name

27. Enter the material trade name for this example I-001 in cell P27.

The screenshot displays a spreadsheet interface for JAMA Sheet preparation. The interface includes a top navigation bar with steps 1 through 6, where step 4 is highlighted. The main area is divided into columns A through Q. A yellow 'Data check' button is located in cell A1. A table titled '(2) Investigation result of Material a' is shown, with columns for Item No., SEQ No., Surface treatment flag, Material name, Trade name, Weight [g/component part], and No. The table contains four rows of data: 1 (Plastics PP (Filled), F #001, ISO104), 2 (Adhesive PAK, #01, ISO104), 3 (Ink, I-001, JAMA), and 4 (Ink, I-001, JAMA). A red circle highlights the 'I-001' entry in the 'Trade name' column for item 3, with an arrow pointing to it from the text 'Enter the material trade name for this example I-001 in cell P27.' The bottom of the interface shows a status bar with 'Cover', 'Entry', 'Description', and 'MESSAGE' tabs.

Item No.	1	12	13	14	15
SEQ No					
Surface treatment flag					
Material name					
Trade name					
Weight [g/component part]					
No					

- * Input of the material trade name is optional in the JAMA sheet but mandatory in jDesc.
If it is missing, an error is caused when uploading the file.

Each material requires the trade name. If the name does not exist or cannot be disclosed, a serial number may be used for each material for identification.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- Input of material information completed – Preparation of input of compound information

For efficient data input, first copy the row for material information as many times as the number of compounds.

In this example, click the “Row copy” button twice (since the label base film consists of three compounds: plastic PP, calcium carbonate, and additive). A total of three rows for material information are created.

28. Select the entire row 25 (click any cell in the row, then Shift + Space).

The screenshot displays a software interface for JAMA Sheet preparation. It features a table with columns labeled A through O. Row 25 is highlighted in blue, and an arrow points to it. The table contains the following data:

Item No.	1	9	10	11	12	13
1						
2	Label base film			1		Plastics PP (Filled)
3	Label adhesive layer			1		Adhesive PAK
4	Label ink			1		Ink

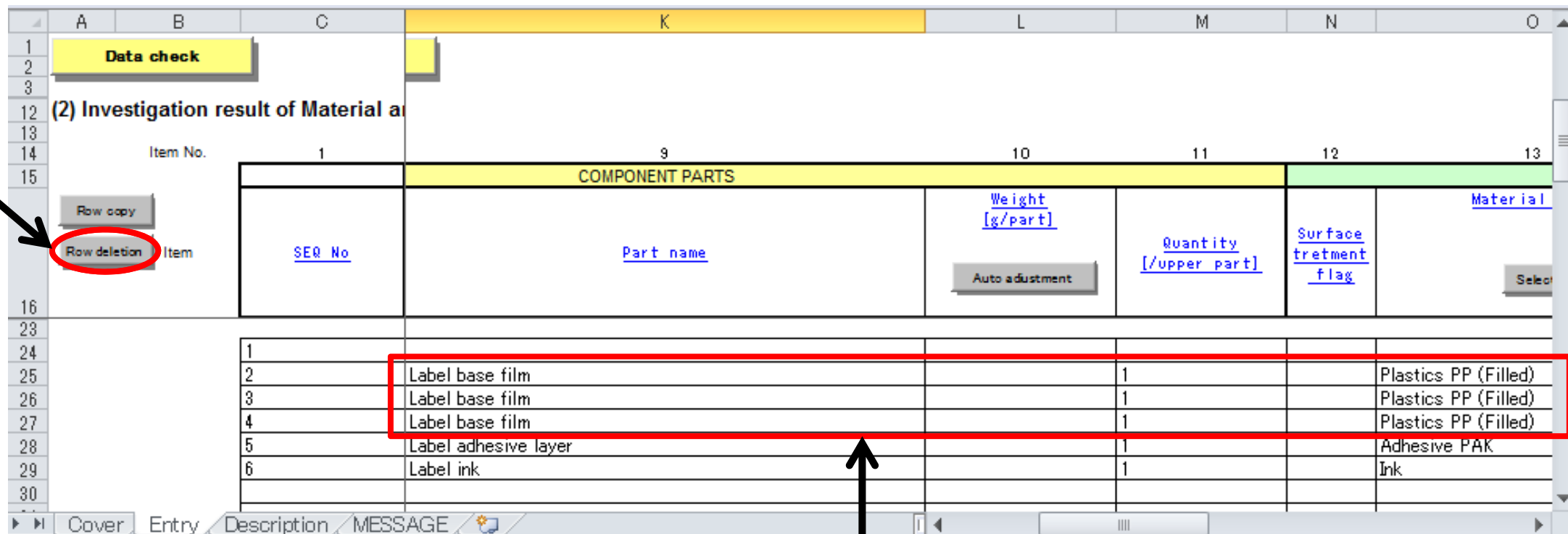
Buttons for "Row copy", "Row deletion", and "Auto adjustment" are visible. The bottom of the interface shows a navigation bar with "Cover", "Entry", "Description", and "MESSAGE" tabs.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to copy a row

29. Click “Row copy” twice to obtain a total of three rows for “Label base film.”



Item No.	1	9	10	11	12	13
	SEQ No	Part name	Weight [g/part]	Quantity [/upper part]	Surface tretment flag	Material
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Three rows for “Label base film”

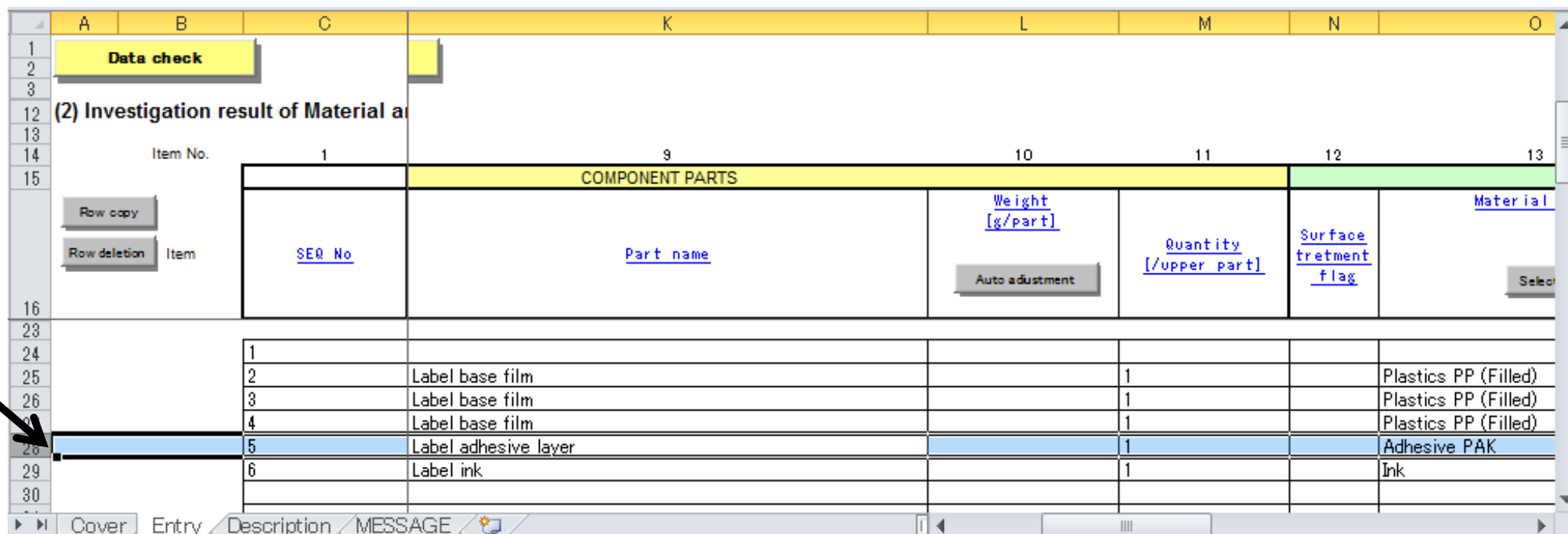
4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to copy the row for the label adhesive layer

In this example, click the button twice (since the label adhesive layer consists of three compounds: base polymer: PAK, acetic acid ethenyl ester, and additives). A total of three “Label Adhesive layer” rows are created.

30. Select the entire row 28 (click any cell in the row, then Shift + Space).



	A	B	C	K	L	M	N	O
1	Data check							
2								
3								
12	(2) Investigation result of Material a							
13								
14	Item No.	1	9	10	11	12	13	
15		COMPONENT PARTS						
16	Row copy			Weight [g/part]	Quantity [/upper part]	Surface tretment flag	Material	
17	Row deletion	Item	SEQ No	Part name	Auto adjustment			Select
23								
24		1						
25		2	Label base film		1		Plastics PP (Filled)	
26		3	Label base film		1		Plastics PP (Filled)	
27		4	Label base film		1		Plastics PP (Filled)	
28		5	Label adhesive layer		1		Adhesive PAK	
29		6	Label ink		1		Ink	
30								

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to copy the row for the label adhesive layer (continued)

31. Click “Row copy” twice to obtain a total of three rows for “Label Adhesive layer.”

The screenshot shows a software interface for preparing a JAMA sheet. A table titled 'COMPONENT PARTS' is displayed. The table has columns for 'SEQ No', 'Part name', 'Weight [g/part]', 'Quantity [/upper part]', 'Surface tretment flag', and 'Material'. The 'Row copy' button is circled in red. The table contains the following data:

SEQ No	Part name	Weight [g/part]	Quantity [/upper part]	Surface tretment flag	Material
1	Label base film		1		Plastics PP (Filled)
2	Label base film		1		Plastics PP (Filled)
3	Label base film		1		Plastics PP (Filled)
4	Label adhesive layer		1		Adhesive PAK
5	Label adhesive layer		1		Adhesive PAK
6	Label adhesive layer		1		Adhesive PAK
7	Label INK		1		INK

Three rows for “Label Adhesive layer”

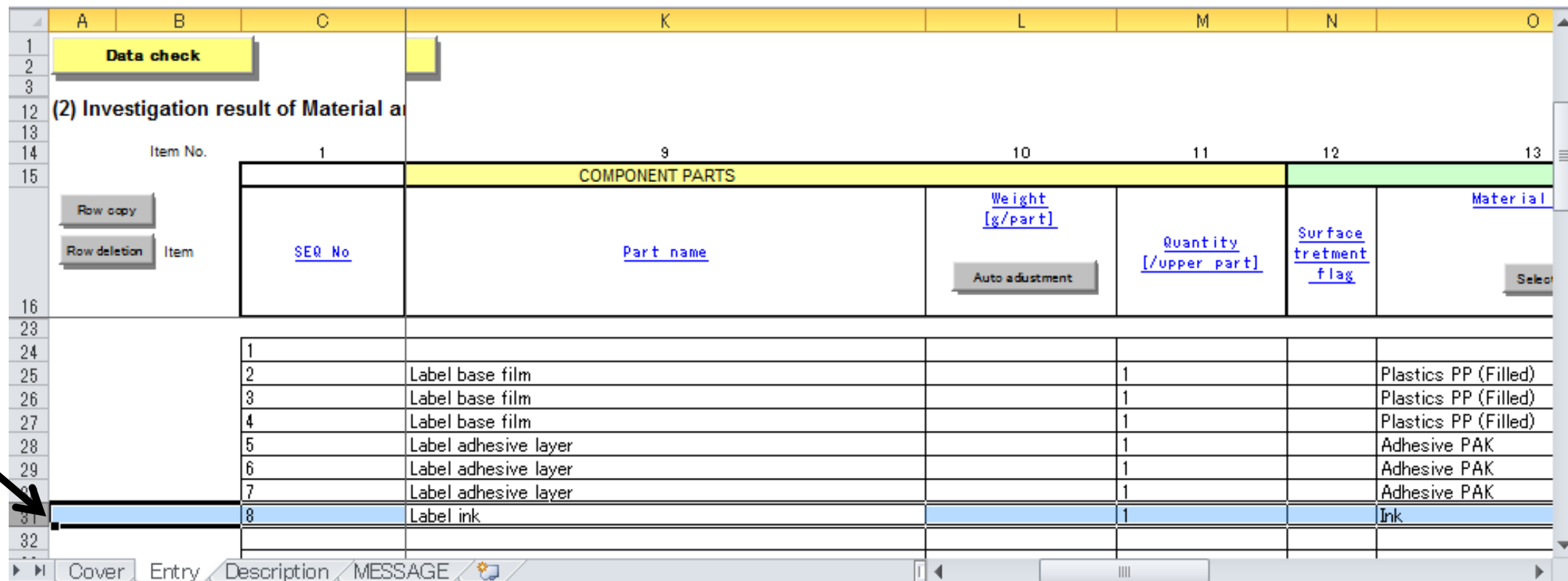
4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to copy the row for the label ink

In this example, click the button five times (since the label ink consists of six compounds: polyethylene, Cu phthalocyanin, allyl phthalate, C. I. Pigment Yellow 13, 2-methoxypropyl acetate, and “Misc., not to declare”). A total of six “Label ink” rows are created.

32. Select the entire row 31 (click any cell in the row, then Shift + Space).



The screenshot displays a software interface for JAMA Sheet preparation. It features a table with columns labeled A through O. Row 1 contains a 'Data check' button. Row 12 is titled '(2) Investigation result of Material a'. Row 14 shows 'Item No.' 1. Row 15 is a header for 'COMPONENT PARTS'. Row 16 contains a 'Row copy' button. Row 17 contains a 'Row deletion' button. Row 18 shows 'Item' and 'SEQ No.'. Row 19 shows 'Part name'. Row 20 shows 'Weight [g/part]' with an 'Auto adjustment' button. Row 21 shows 'Quantity [/upper part]'. Row 22 shows 'Surface tretment flag'. Row 23 shows 'Material'. Row 24 shows '1'. Row 25 shows '2 Label base film'. Row 26 shows '3 Label base film'. Row 27 shows '4 Label base film'. Row 28 shows '5 Label adhesive layer'. Row 29 shows '6 Label adhesive layer'. Row 30 shows '7 Label adhesive layer'. Row 31 is selected and highlighted in blue, showing '8 Label ink'. Row 32 is empty. The bottom of the interface has a navigation bar with buttons: Cover, Entry, Description, MESSAGE, and a search icon.

	A	B	C	K	L	M	N	O
1	Data check							
2								
3								
12	(2) Investigation result of Material a							
13								
14		Item No.	1	9	10	11	12	13
15				COMPONENT PARTS				
16		Row copy			Weight [g/part]			Material
17		Row deletion						
18		Item	SEQ No.	Part name		Quantity [/upper part]	Surface tretment flag	Select
19					Auto adjustment			
20								
21								
22								
23								
24			1					
25			2	Label base film		1		Plastics PP (Filled)
26			3	Label base film		1		Plastics PP (Filled)
27			4	Label base film		1		Plastics PP (Filled)
28			5	Label adhesive layer		1		Adhesive PAK
29			6	Label adhesive layer		1		Adhesive PAK
30			7	Label adhesive layer		1		Adhesive PAK
31			8	Label ink		1		Ink
32								

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to copy the row for the label ink (continued)

33. Click “Row copy” five times to obtain a total of six rows for “Label ink.”

The screenshot shows the JAMA Sheet preparation interface. The table has 13 columns: Item No., SEQ No., Part name, Weight [g/part], Quantity [/upper part], Surface tretment flag, and Material. The rows are numbered 1 to 37. A red box highlights the 'Row copy' button in the top left. A red box highlights the 'Label ink' rows (rows 8-13) in the table. A yellow box at the bottom points to the 'Label ink' rows with the text 'Six rows for "Label ink"'. The table data is as follows:

Item No.	SEQ No.	Part name	Weight [g/part]	Quantity [/upper part]	Surface tretment flag	Material
1						
2		Label base film		1		Plastics PP (Filled)
3		Label base film		1		Plastics PP (Filled)
4		Label base film		1		Plastics PP (Filled)
5		Label adhesive layer		1		Adhesive PAK
6		Label adhesive layer		1		Adhesive PAK
7		Label adhesive layer		1		Adhesive PAK
8		Label ink		1		Ink
9		Label ink		1		Ink
10		Label ink		1		Ink
11		Label ink		1		Ink
12		Label ink		1		Ink
13		Label ink		1		Ink

Six rows for “Label ink”

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter compound information for each material

Enter compound information for the label base film.

34. Click cell Z25; then click “Select” for the compound code.

A		B		C		R		S		T		U		V		Y		Z	
1	Data check																		
2																			
3																			
12	(2) Investigation result of Material a																		
13																			
14	Item No.		1	16	17	18	19	20	23	24									
15			SUBSTANC																
16	Row copy																		
17	Row deletion																		
18	Item		SEQ No	Norms/Standards	Material number (Metal or other than plastics or rubber materials)	Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type	Substance code (CAS No.)									
19									Select	Select									
20																			
21																			
22																			
23																			
24																			
25			1																
26			2	ISO1043		PP-KD20	5.1a												
27			3	ISO1043		PP-KD20	5.1a												
28			4	ISO1043		PP-KD20	5.1a												
29			5	ISO1043	PAK			6.2											
30			6	ISO1043	PAK			6.2											
31			7	ISO1043	PAK			6.2											
32			8	JAMAA4444	INK			6.1											
33			9	JAMAA4444	INK			6.1											
34			10	JAMAA4444	INK			6.1											
35			11	JAMAA4444	INK			6.1											
36			12	JAMAA4444	INK			6.1											
37			13	JAMAA4444	INK			6.1											

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to conduct search in the window displayed upon clicking “Select” in “substance code”

35. In the “Select substance” window displayed, enter “PP” in the “Substance Name” field and click “Search.”

The screenshot shows the 'Select substance' window. A red box with the number '1' and an arrow points to the 'Substance Name' field, which contains the text 'PP'. A red box with the number '2' and an arrow points to the 'Search' button at the bottom right of the window. A yellow text box on the right contains the following text: 'The Substance code (CAS No.) is the most precise key for searching a compound. If the code is unknown, an English or Japanese name may be used to search for candidates, from which the appropriate compound is selected.'

Select substance

Please enter search criteria and click OK button.

Substance Group

CAS No.

Node ID

Substance Name

Substance Name(JP)

Declarable(D)(GADSL)

☐ Yes ☐ No ☒ N.A.

Prohibited(P)(GADSL)

☐ Yes ☐ No ☒ N.A.

SVHC

☐ Yes ☐ No ☒ N.A.

Process chemical

☐ Yes ☐ No ☒ N.A.

Search

Cancel

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to select the relevant compound

36. Select “Plastic: PP” for this example from the list of the compounds retrieved, and click “OK.”

Select substance

Please enter search criteria and click OK button.

Substance Group:

CAS No.:

Node ID:

Substance Name:

Substance Name(JP):

Declarable(D)(GADSL): ☐ Yes ☐ No ☒ N.A.

SVHC: ☐ Yes ☐ No ☒ N.A.

Prohibited(P)(GADSL): ☐ Yes ☐ No ☒ N.A.

Process chemical: ☐ Yes ☐ No ☒ N.A.

338 substances found.

CAS No.	Substance Name	Substance Name(JP)	Node ID	declarable(D)	prohibited(P)	SVHC	Process chemical
-	PPy	ポリピロール	1331385				
-	Basic Polymer: PP	基本ポリマー:ポリプロピレン樹脂:PP	1351222				
-	Plastic: PP	プラスチック:ポリプロピレン樹脂:PP	1351222				
-	PP	ポリプロピレン樹脂:PP	1351222				
-	Basic Polymer: PPE	基本ポリマー:ポリフェニレンエーテル樹脂:PPE	1351235				
-	Plastic: PPE	プラスチック:ポリフェニレンエーテル樹脂:PPE	1351235				
-	PPE	ポリフェニレンエーテル樹脂:PPE	1351235				
-	Basic Polymer: PPS	基本ポリマー:ポリフェニレンスルフィド樹脂:PPS	1351244				
-	Plastic: PPS	プラスチック:ポリフェニレンスルフィド樹脂:PPS	1351244				
-	PPS	ポリフェニレンスルフィド樹脂:PPS	1351244				
7481-27-8	Copper bis(O,O-diisopropyl) bis(dithiophosphate)	ビス(ジイソプロピルジチオリン酸)銅(Ⅱ)	1397358				
7481-27-8	Phosphorodithioic acid, O,O-bis(1-phenylethyl) ester,	ビス(ジイソプロピルジチオリン酸)銅(Ⅱ)	1397358				
15680-42-9	[1-[[[2-Hydroxyphenyl]imino]methyl]-2-naphtholato(	[1-[[[2-ヒドロキシフェニル]イミノ]メチル]-2-ナフトラート	1747869				
15680-42-9	Copper, [1-[[[2-hydroxyphenyl]imino]methyl]-2-naphtholato(	[1-[[[2-ヒドロキシフェニル]イミノ]メチル]-2-ナフトラート	1747869				

4. JAMA Sheet preparation



Information on the selected material automatically entered

37. Items listed below are automatically entered in the “Data Input Form.”

Compound code: -
Compound name: Plastic: PP
Node ID (compound): 1351222

1	20	23	24	25	26
	SUBSTANCE				
<u>SEQ No</u>	<u>Substance count</u>	<u>Chemical presence type</u> Select	<u>Substance code (CAS No.)</u> Select	<u>Substance name</u>	<u>Portion</u>
1					
2			-	Plastic: PP	77
3					
4					
5					
6					
7					
8					
9					
10					

47	48
	MATERIAL
<u>IMDS node ID (substance)</u>	<u>Internal Mat.-No.</u>
1351222	

38. Enter the concentration of the compound in the constituting material.
In this example, enter 77 (in one-byte numeric characters) according to the “Plastic: PP” content of 77%.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to conduct search in the window displayed upon clicking “Select” in “compound code”

39. Similarly, enter the compound information below in row 26.

Compound code: 471-34-1
Compound name: Calcium carbonate
Concentration: 20

The screenshot shows a 'Select substance' dialog box with the following fields and options:

- Substance Group: [Dropdown menu]
- CAS No.: 471-34-1 (circled in red, with a red box labeled '1' and an arrow pointing to it)
- Node ID: [Text field]
- Substance Name: [Text field]
- Substance Name(JP): [Text field]
- Declarable(D)(GADSL): ☐ Yes ☐ No ☒ N.A.
- Prohibited(P)(GADSL): ☐ Yes ☐ No ☒ N.A.
- SVHC: ☐ Yes ☐ No ☒ N.A.
- Process chemical: ☐ Yes ☐ No ☒ N.A.
- Search button: circled in red, with a red box labeled '2' and an arrow pointing to it
- Cancel button

A yellow callout box on the right states: "Use the compound code (CAS No.) 471-34-1 as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

40. Similarly, enter the compound information below in row 27.

Compound code: system *
Compound name: Additives, not to declare
Concentration: 3

* **Wildcard compound:** compound for which the code is “system.” See explanation of wildcard compounds (p. 28).

The concentration of any compound with the code “system” should not exceed 10%.

The screenshot shows the 'Select substance' dialog box. A yellow box on the right says 'Use the compound name “Additives” as the search key.' A red box with the number '1' and an arrow points to the 'Substance Name' field, which contains the text 'Additives'. Another red box with the number '2' and an arrow points to the 'Search' button at the bottom right of the dialog box. The dialog box includes fields for Substance Group, CAS No., Node ID, Substance Name, and Substance Name(JP). It also has sections for 'Declarable(D)(GADSL)', 'Prohibited(P)(GADSL)', 'SVHC', and 'Process chemical', each with radio buttons for Yes, No, and N.A. (selected).

4. JAMA Sheet preparation



41. Input of the compound information for the Label base film is now completed.

1	18	19	20	23	24	25	26
			SUBSTANCE				
<u>SEQ No</u>	<u>Material symbol</u> (<u>plastics or</u> <u>rubber</u>)	<u>VDA</u> <u>Classification</u> <u>n</u>	<u>Substance</u> <u>count</u>	<u>Chemical</u> <u>presence type</u> Select	<u>Substance</u> <u>code (CAS</u> <u>No.)</u> Select	<u>Substance name</u>	<u>Portion</u>
1							
2	PP-KD20	5.1.a			-	Plastic: PP	77
3	PP-KD20	5.1.a			471-34-1	Calcium-carbonate	20
4	PP-KD20	5.1.a			system	Additives, not to declare	3
5		6.2					
6		6.2					
7		6.2					
8		6.1					
9		6.1					
10		6.1					

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

❑ How to conduct search in the window displayed upon clicking “Select” in “compound code”

Enter the compound information for the label adhesive layer.

42. Similarly, enter the compound information below in row 28.

Compound code: -
Compound name: Basic Polymer: PAK
Concentration: 97

The screenshot shows a 'Select substance' dialog box with the following fields and options:

- Substance Group: [Dropdown menu]
- CAS No.: [Text field]
- Node ID: [Text field]
- Substance Name: [Text field containing 'PAK', circled in red with a red arrow and a red box containing the number '1' pointing to it]
- Substance Name(JP): [Text field]
- Declarable(D)(GADSL): ☐ Yes ☐ No ☒ N.A.
- Prohibited(P)(GADSL): ☐ Yes ☐ No ☒ N.A.
- SVHC: ☐ Yes ☐ No ☒ N.A.
- Process chemical: ☐ Yes ☐ No ☒ N.A.
- Buttons: Search (circled in red with a red arrow and a red box containing the number '2' pointing to it), Cancel

A yellow callout box on the right contains the text: "Use the compound name 'PAK' as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

43. Similarly, enter the compound information below in row 29.

Compound code: 108-05-4
Compound name: Acetic acid ethenyl ester
Concentration: 0.05

Select substance

Please enter search criteria and click OK button.

Substance Group

CAS No. **1** → 108-05-4

Node ID

Substance Name

Substance Name(JP)

Declarable(D)(GADSL)
☐ Yes ☐ No ☒ N.A.

Prohibited(P)(GADSL)
☐ Yes ☐ No ☒ N.A.

SVHC
☐ Yes ☐ No ☒ N.A.

Process chemical
☐ Yes ☐ No ☒ N.A.

2 → Search

Cancel

Use the compound code (CAS No.) 108-05-4 as the search key.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

44. Select “Acetic acid ethenyl ester” for this example from the list of compounds retrieved, and click “OK.”

Select substance

Please enter search criteria and click OK button.

Substance Group:

CAS No.: 108-05-4

Node ID:

Substance Name:

Substance Name(JP):

Declarable(D)(GADSL)
☐ Yes ☐ No ☒ N.A.

SVHC
☐ Yes ☐ No ☒ N.A.

Prohibited(P)(GADSL)
☐ Yes ☐ No ☒ N.A.

Process chemical
☐ Yes ☐ No ☒ N.A.

4 substances found.

CAS No.	Substance Name	Substance Name(JP)	Node ID	declarable(D)	prohibited(P)
108-05-4	Acetic acid ethenyl ester	酢酸ビニルエステル	3361		
108-05-4	Acetic acid, vinyl ester	酢酸ビニルエステル	3361		
108-05-4	Acetoxyethene	酢酸ビニル	3361		
108-05-4	Vinyl acetate	酢酸ビニル	3361		

A pop-up window warns that acetic acid ethenyl ester is a process chemical. Click OK. Check if it is contained in the final product.

Enter the “Category of process chemical” only if it is contained in the final product.

Warning

You are adding a basic substance that is typically consumed or reacted during manufacturing and does not appear in the finished product. Are you sure this substance remains in the finished product? If OK, then please specify the presence type of process chemical. Click Cancel if you do not add to the tree structure.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the “Category of process chemical”

45. Click “Category of process chemical” (cell Y29); then click “Select.”

The screenshot shows the JAMA Sheet preparation interface. The 'Data check' button is highlighted in yellow. The table below is the main data entry area.

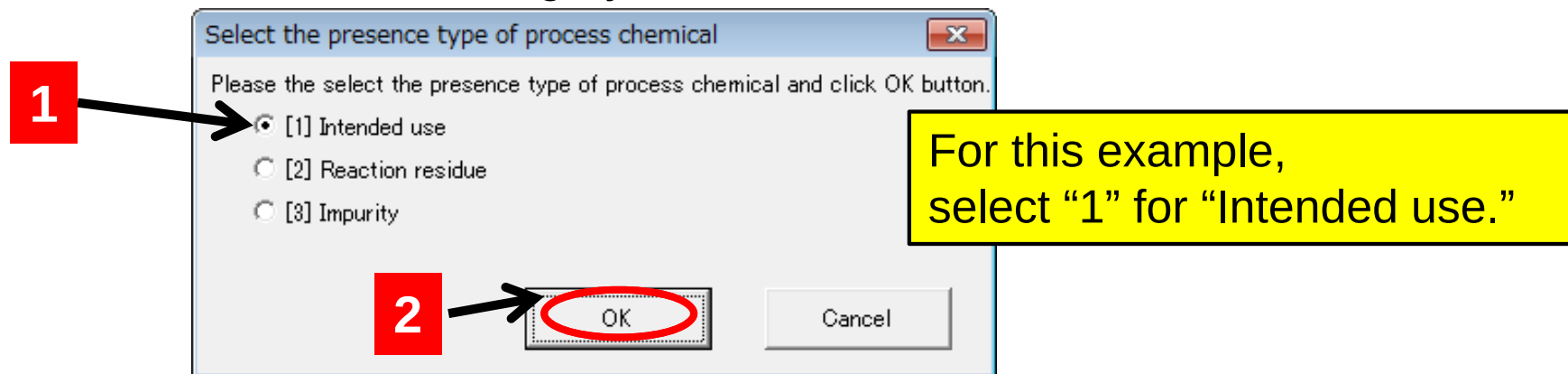
Item No.	1	18	19	20	23	24	25	26
SEQ No	Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type	Substance code (CAS No.)	Substance name	Portion	
1								
2	PP-KD20	5.1.a			-	Plastic: PP	77	
3	PP-KD20	5.1.a			471-34-1	Calcium-carbonate	20	
4	PP-KD20	5.1.a			system	Additives, not to declare	3	
5		6.2			-	Basic Polymer: PAK	97	
6		6.2			108-05-4	Acetic acid ethenyl ester		
7		6.2						
8		6.1						
9		6.1						
10		6.1						

The 'Select' button in the 'Chemical presence type' column is circled in red. The 'Substance count' column is also highlighted with a red box labeled '1'.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

46. A window for selecting the category of process chemical appears.
Select the relevant category and click “OK.”



47. “1” for “Intended use” is entered.

Item No.	1	18	19	20	23	24	25	26
	SEQ No	Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type	Substance code (CAS No.)	Substance name	Portion
1								
2		PP-KD20	5.1.a			-	Plastic: PP	77
3		PP-KD20	5.1.a			471-34-1	Calcium-carbonate	20
4		PP-KD20	5.1.a			system	Additives, not to declare	3
5			6.2				Basic Polymer: PAK	97
6			6.2			08-05-4	Acetic acid ethenyl ester	
7			6.2					
8			6.1					
9			6.1					
10			6.1					

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to conduct search in the window displayed on clicking “Select” in “compound code”

48. Enter the compound information below in row 30.

Compound code: system *
Compound name: Additives, not to declare
Concentration: 2.955

*** Wildcard compound:**
compound for which the code is
“system.” See explanation of
wildcard compounds (p. 28).

The concentration of any compound with the code “system” should not exceed 10%.

Select substance

Please enter search criteria and click OK button.

Substance Group

CAS No.

Node ID

Substance Name **1** → Additives

Substance Name(JP)

Declarable(D)(GADSL)
☐ Yes ☐ No ☒ N.A.

Prohibited(P)(GADSL)
☐ Yes ☐ No ☒ N.A.

SVHC
☐ Yes ☐ No ☒ N.A.

Process chemical
☐ Yes ☐ No ☒ N.A.

2 → Search

Cancel

Use the compound name
“Additives” as the search key.

4. JAMA Sheet preparation



49. Input of the compound information for the Label adhesive layer is now completed.

1	19	20	23	24	25	26
		SUBSTANCE				
<u>SEQ No</u>	<u>VDA Classificatio n</u>	<u>Substance count</u>	<u>Chemical presence type</u> Select	<u>Substance code (CAS No.)</u> Select	<u>Substance name</u>	<u>Portion</u>
1						
2	5.1.a			-	Plastic: PP	77
3	5.1.a			471-34-1	Calcium-carbonate	20
4	5.1.a			system	Additives, not to declare	3
5	6.2			-	Basic Polymer: PAK	97
6	6.2		1	108-05-4	Acetic acid ethenyl ester	0.05
7	6.2			system	Additives, not to declare	2.95
8	6.1					
9	6.1					
10	6.1					

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

❑ How to conduct search in the window displayed upon clicking “Select” in “compound code”

Enter the compound information for the “Label ink.”

50. Enter the compound information below in row 31.

Compound code: -
Compound name: Polyethylene
Concentration: 53

The screenshot shows a 'Select substance' dialog box with the following fields and options:

- Substance Group: [Dropdown menu]
- CAS No.: [Text field]
- Node ID: [Text field]
- Substance Name: [Text field containing 'Polyethylene', circled in red with a red '1' and an arrow pointing to it]
- Substance Name(JP): [Text field]
- Declarable(D)(GADSL): ☐ Yes ☐ No ☒ N.A.
- Prohibited(P)(GADSL): ☐ Yes ☐ No ☒ N.A.
- SVHC: ☐ Yes ☐ No ☒ N.A.
- Process chemical: ☐ Yes ☐ No ☒ N.A.
- Buttons: Search (circled in red with a red '2' and an arrow pointing to it), Cancel

A yellow box on the right contains the text: "Use the compound name 'polyethylene' as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to conduct search in the window displayed upon clicking “Select” in “compound code”

51. Similarly, enter the compound information below in row 32.

Compound code: 147-14-8
Compound name: Cu Phthalocyanin
Concentration: 10

The screenshot shows a 'Select substance' dialog box with the following fields and options:

- Substance Group: [Dropdown menu]
- CAS No.: 147-14-8 (circled in red, with a red arrow pointing to it from a red box with the number 1)
- Node ID: [Text field]
- Substance Name: [Text field]
- Substance Name(JP): [Text field]
- Declarable(D)(GADSL): ☐ Yes ☐ No ☒ N.A.
- Prohibited(P)(GADSL): ☐ Yes ☐ No ☒ N.A.
- SVHC: ☐ Yes ☐ No ☒ N.A.
- Process chemical: ☐ Yes ☐ No ☒ N.A.
- Search button: circled in red, with a red arrow pointing to it from a red box with the number 2
- Cancel button: [Button]

A yellow callout box on the right side of the dialog box contains the text: "Use the compound code (CAS No.) 147-14-8 as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- How to conduct search in the window displayed upon clicking “Select” in “compound code”

52. Similarly, enter the compound information below in row 33.

Compound code: 25053-15-0
Compound name: Allyl phthalate, homopolymer
Concentration: 15

The screenshot shows a 'Select substance' dialog box with the following fields and options:

- Substance Group: [Dropdown menu]
- CAS No.: 25053-15-0 (Annotated with a red circle and arrow labeled '1')
- Node ID: [Empty field]
- Substance Name: [Empty field]
- Substance Name(JP): [Empty field]
- Declarable(D)(GADSL): ☐ Yes, ☐ No, ☒ N.A.
- Prohibited(P)(GADSL): ☐ Yes, ☐ No, ☒ N.A.
- SVHC: ☐ Yes, ☐ No, ☒ N.A.
- Process chemical: ☐ Yes, ☐ No, ☒ N.A.
- Buttons: Search (Annotated with a red circle and arrow labeled '2'), Cancel

A yellow callout box on the right states: "Use the compound code (CAS No.) 25053-15-0 as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- How to conduct search in the window displayed upon clicking “Select” in “compound code”

53. Similarly, enter the compound information below in row 34.

Compound code: 5102-83-0
Compound name: C. I. Pigment yellow 13
Concentration: 10

The screenshot shows a 'Select substance' dialog box with the following fields and options:

- Substance Group: (dropdown menu)
- CAS No.: 5102-83-0 (circled in red, with a red arrow labeled '1' pointing to it)
- Node ID: (empty field)
- Substance Name: (empty field)
- Substance Name(JP): (empty field)
- Declarable(D)(GADSL): ☐ Yes, ☐ No, ☒ N.A.
- Prohibited(P)(GADSL): ☐ Yes, ☐ No, ☒ N.A.
- SVHC: ☐ Yes, ☐ No, ☒ N.A.
- Process chemical: ☐ Yes, ☐ No, ☒ N.A.
- Search button: (circled in red, with a red arrow labeled '2' pointing to it)
- Cancel button: (next to the Search button)

A yellow box on the right side of the dialog box contains the text: "Use the compound code (CAS No.) 5102-83-0 as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- How to conduct search in the window displayed upon clicking “Select” in “compound code”

54. Similarly, enter the compound information below in row 35.

Compound code: 71868-10-5
Compound name: 2-Methoxypropyl acetate
Concentration: 5

The screenshot shows a 'Select substance' dialog box with the following fields and options:

- Substance Group: (dropdown menu)
- CAS No.: 71868-10-5 (circled in red, with a red arrow labeled '1' pointing to it)
- Node ID: (empty field)
- Substance Name: (empty field)
- Substance Name(JP): (empty field)
- Declarable(D)(GADSL): ☐ Yes, ☐ No, ☒ N.A.
- Prohibited(P)(GADSL): ☐ Yes, ☐ No, ☒ N.A.
- SVHC: ☐ Yes, ☐ No, ☒ N.A.
- Process chemical: ☐ Yes, ☐ No, ☒ N.A.
- Search button: (circled in red, with a red arrow labeled '2' pointing to it)
- Cancel button: (next to the Search button)

A yellow box on the right side of the dialog box contains the text: "Use the compound code (CAS No.) 71868-10-5 as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to select the appropriate compound

Description of the warning window for process chemicals

55. Select “2-Methoxypropyl acetate” for this example from the list of compounds retrieved, and click “OK.”

A pop-up window warns that 2-Methoxypropyl acetate is a process chemical. Click OK. Check if it is contained in the final product.

Enter the “Category of process chemical” only if it is contained in the final product.

Select substance

Please enter search criteria and click OK button.

Substance Group:

CAS No.:

Node ID:

Substance Name:

Substance Name(JP):

Declarable(D)(GADSL)
☐ Yes ☐ No ☒ N.A.

SVHC
☐ Yes ☐ No ☒ N.A.

Prohibited(P)(GADSL)
☐ Yes ☐ No ☒ N.A.

Process chemical
☐ Yes ☐ No ☒ N.A.

Search Cancel

3 substances found.

CAS No.	Substance Name	Substance Name(JP)	Node ID	declarable(D)	prohibited(P)	SVHC	Process chemical
71868-10-5	2-Methoxypropyl acetate	イルガキア907(別名酢酸2-メキシプロピル)	461				Yes
71868-10-5	2-Methoxypropyl-1-acetate	イルガキア907(別名酢酸2-メキシプロピル)	461				Yes
71868-10-5	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropyl	イルガキア907(別名酢酸2-メキシプロピル)	461				Yes

Preview **OK** Cancel

g

Are you adding a basic substance that is typically consumed or reacted during manufacturing and does not appear in the finished product? If so, please ensure this substance remains in the finished product. If not, then please specify the presence type of process chemical. Cancel if you do not add the substance to the tree structure.

OK キャンセル

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the “Category of process chemical”

56. Click “Category of process chemical” (cell Y35); then click “Select.”

The screenshot shows a spreadsheet with columns A through AB. The 'SUBSTANCE' section (columns 18-26) contains the following data:

SEQ No	Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type	Substance code (CAS No.)	Substance name	Portion
1							
2	PP-KD20	5.1.a			-	Plastic: PP	77
3	PP-KD20	5.1.a			471-34-1	Calcium-carbonate	20
4	PP-KD20	5.1.a			system	Additives, not to declare	3
5		6.2			-	Basic Polymer: PAK	97
6		6.2		1	108-05-4	Acetic acid ethenyl ester	0.05
7		6.2			system	Additives, not to declare	2.95
8		6.1			-	Polyethylene	53
9		6.1			147-14-8	Cu-Phthalocyanin	10
10		6.1			25053-15-0	Allyl phthalate, homopolymer	15
11		6.1			5102-83-0	C.I. Pigment Yellow 13	10
12		6.1			71868-10-5	2-Methoxypropyl acetate	5
13		6.1					

At the bottom of the spreadsheet, there is a navigation bar with buttons: Cover, Entry, Description, MESSAGE, and a search icon.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to enter the “Category of process chemical” (continued)

57. A window for selecting the category of process chemical appears.
Select the relevant category and click “OK.”

1 →

Select the presence type of process chemical

Please select the presence type of process chemical and click OK

☒ [1] Intended use
☐ [2] Reaction residue
☐ [3] Impurity

2 →

OK Cancel

For this example, select “1” for “Intended use.”

58. “1” for “Intended use” is entered.

1	2	A	B	C	T	U	V	Y	Z	AA	AB
1											
2											
3											
12											
13											
14											
15											
16											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											

Item No.	1	18	19	20	23	24	25	26
	SEQ No	Material symbol (plastics or rubber)	VDA Classification	Substance count	Chemical presence type	Substance code (CAS No.)	Substance name	Portion
1								
2	PP-KD20	5.1a					Plastic: PP	77
3	PP-KD20	5.1a				471-34-1	Calcium-carbonate	20
4	PP-KD20	5.1a				system	Additives, not to declare	3
5		6.2					Basic Polymer: PAK	97
6		6.2			1	108-05-4	Acetic acid ethenyl ester	0.05
7		6.2				system	Additives, not to declare	2.95
8		6.1					Polyethylene	53
9		6.1				147-14-8	Cu-Phthalocyanin	10
10		6.1				25053-15-0	Allyl phthalate, homopolymer	15
11		6.1				102-83-0	CI Pigment Yellow 13	10
12		6.1				868-10-5	2-Methoxypropyl acetate	5
13		6.1						

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to conduct search in the window displayed upon clicking “Select” in “compound code”

59. Enter the compound information below in row 36.

Compound code: system *
Compound name: misc
Concentration: 7

*** Wildcard compound:**
compound for which the code is “system.” See explanation of wildcard compounds (p.28).

The concentration of any compound with the code “system” should not exceed 10%.

The screenshot shows the 'Select substance' dialog box with the following fields and options:

- Substance Group: [Dropdown menu]
- CAS No.: [Text field]
- Node ID: [Text field]
- Substance Name: [Text field containing 'misc', circled in red with a red '1' and an arrow pointing to it]
- Substance Name(JP): [Text field]
- Declarable(D)(GADSL):
 - ☐ Yes
 - ☐ No
 - ☒ N.A.
- Prohibited(P)(GADSL):
 - ☐ Yes
 - ☐ No
 - ☒ N.A.
- SVHC:
 - ☐ Yes
 - ☐ No
 - ☒ N.A.
- Process chemical:
 - ☐ Yes
 - ☐ No
 - ☒ N.A.
- [Search button, circled in red with a red '2' and an arrow pointing to it]
- [Cancel button]

A yellow box on the right side of the dialog box contains the text: "Use the compound name 'misc' as the search key."

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

Input of the compound information for the label ink completed

60. Input of the compound information for the Label ink (label adhesive layer) is now completed.

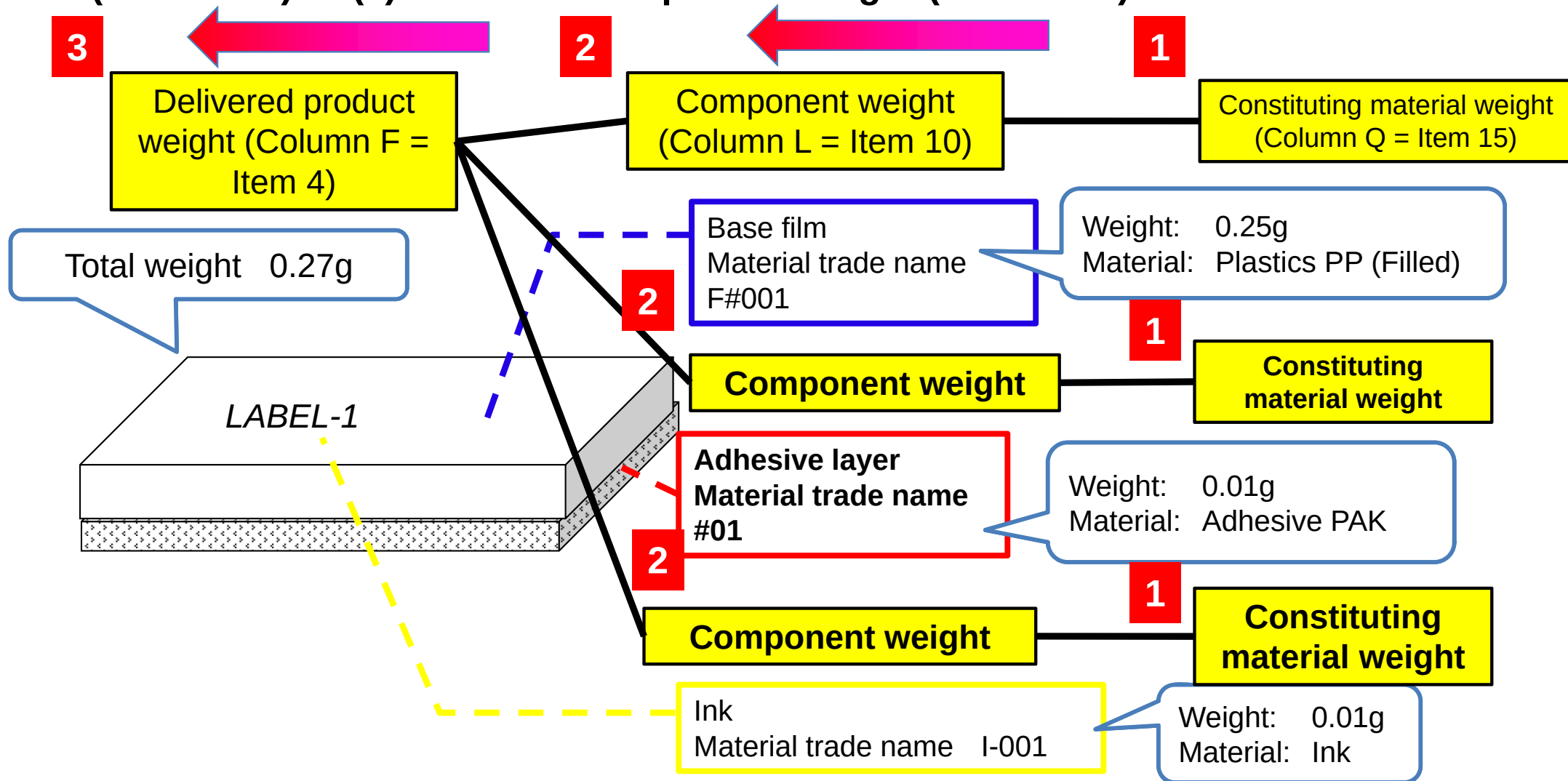
1	19	20	23	24	25	26
		SUBSTANCE				
<u>SEQ No</u>	<u>VDA Classification</u> <u>n</u>	<u>Substance count</u>	<u>Chemical presence type</u> Select	<u>Substance code (CAS No.)</u> Select	<u>Substance name</u>	<u>Portion</u>
1						
2	5.1.a			-	Plastic: PP	77
3	5.1.a			471-34-1	Calcium-carbonate	20
4	5.1.a			system	Additives, not to declare	3
5	6.2			-	Basic Polymer: PAK	97
6	6.2		1	108-05-4	Acetic acid ethenyl ester	0.05
7	6.2			system	Additives, not to declare	2.95
8	6.1			-	Polyethylene	53
9	6.1			147-14-8	Cu-Phthalocyanin	10
10	6.1			25053-15-0	Allyl phthalate, homopolymer	15
11	6.1			5102-83-0	CI. Pigment Yellow 13	10
12	6.1		1	71868-10-5	2-Methoxypropyl acetate	5
13	6.1			system	Misc, not to declare	7

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter weight in the three fields in JAMA sheet

Follow the input order: (1) component weight (manual) → (2) component weight (automatic) → (3) delivered component weight (automatic)



4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the material weight for Plastics PP(Filled)

Enter the constituting material weight.

61. Enter the weight 0.25 (g) for “Plastics PP (Filled)” in cell Q25.

1		2	A	B	C	M	N	O	P	Q
1			Data check							
2										
3										
12			(2) Investigation result of Material a							
13										
14			Item No.	1	11	12	13	14	15	
15									MATERIAL	
16										
23										
24										
25										0.25
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the material weight for Adhesive PAK

Enter the constituting material weight.

62. Enter the weight 0.01 (g) for “Adhesive PAK” in cell Q28.

1	2	A	B	C	M	N	O	P	Q
1									
2									
3									
12									
13									
14									
15									
16									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to enter the material weight for Ink

Enter the constituting material weight.

63. Enter the weight 0.01 (g) for “Ink” in cell Q31.

1		2	A	B	C	M	N	O	P	Q	
1			Data check								
2											
3											
12			(2) Investigation result of Material a								
13											
14			Item No.	1	11	12	13	14	15		
15									MATERIAL		
									Weight		
									[g/component part]		
			Row copy								
			Row deletion								
			Item								
16											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											

Item No. 1 11 12 13 14 15

Material name Trade name

Weight [g/component part]

Round off

Quantity [/upper part]

Surface tretment flag

Select

Row copy

Row deletion

Item

1 2 3 4 5 6 7 8 9 10 11 12 13

1 1 1 1 1 1 1 1 1 1 1 1 1

Plastics PP (Filled) Plastics PP (Filled) Plastics PP (Filled) Adhesive PAK Adhesive PAK Adhesive PAK Ink Ink Ink Ink Ink Ink Ink

F #001 F #001 F #001 #01 #01 #01 I-001 I-001 I-001 I-001 I-001 I-001 I-001

0.25 0.01

ISC ISC ISC ISC ISC ISC JA JA JA JA JA JA JA

0.01

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the component weight for Label base film

Enter the component weight.

64. Select the top cell for the component weight for “Label base film” (cell L25); then click “Automatic adjustment” for the component weight.

Item No.	1	8	9	10	11
	SEQ No	Part Number	Part name	Weight [g/part]	Quantity [/upper part]
1					
2			Label base film		1
3			Label base film		1
4			Label base film		1
5			Label adhesive layer		1
6			Label adhesive layer		1
7			Label adhesive layer		1
8			Label ink		1
9			Label ink		1
10			Label ink		1
11			Label ink		1
12			Label ink		1
13			Label ink		1

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

Component weight for Label base film automatically entered

Enter the component weight.

65. The total material weight for “Label base film” is automatically entered.

1	2	A	B	C	J	K	L	M
1		Data check			Lock			
2								
3								
12		(2) Investigation result of Material a						
13								
14		Item No.	1	8	9	10	11	
15								
		Row copy						
		Row deletion						
16		Item	SEQ No	Part Number	Part name	Weight [g/part]	Quantity [/upper part]	
						Auto adjustment		
23								
24								
25			1		Label base film	0.25	1	
26			2		Label base film		1	
27			3		Label base film		1	
28			4		Label base film		1	
29			5		Label adhesive layer		1	
30			6		Label adhesive layer		1	
31			7		Label adhesive layer		1	
32			8		Label ink		1	
33			9		Label ink		1	
34			10		Label ink		1	
35			11		Label ink		1	
36			12		Label ink		1	
37			13		Label ink		1	

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ How to enter the component weight for Label adhesive layer

Enter the component weight.

66. Select the top cell for the component weight for “Label adhesive layer” (cell L28); then click “Automatic adjustment” for the component weight.

Item No.	1	8	9	10	11
	SEQ No	Part Number	Part name	Weight [g/part]	Quantity [upper part]
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- Component weight for Label adhesive layer automatically entered

Enter the component weight.

67. The total material weight for “Label adhesive layer” is automatically entered.

1	2	A	B	C	J	K	L	M
1		Data check			Lock			
2								
3								
12		(2) Investigation result of Material a						
13								
14		Item No.	1	8	9	10	11	
15				COMPONENT PARTS				
		Raw copy					Weight [g/part]	Quantity [/upper part]
		Raw deletion	Item	SEQ. No	Part Number	Part name	Auto adjustment	
16								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								

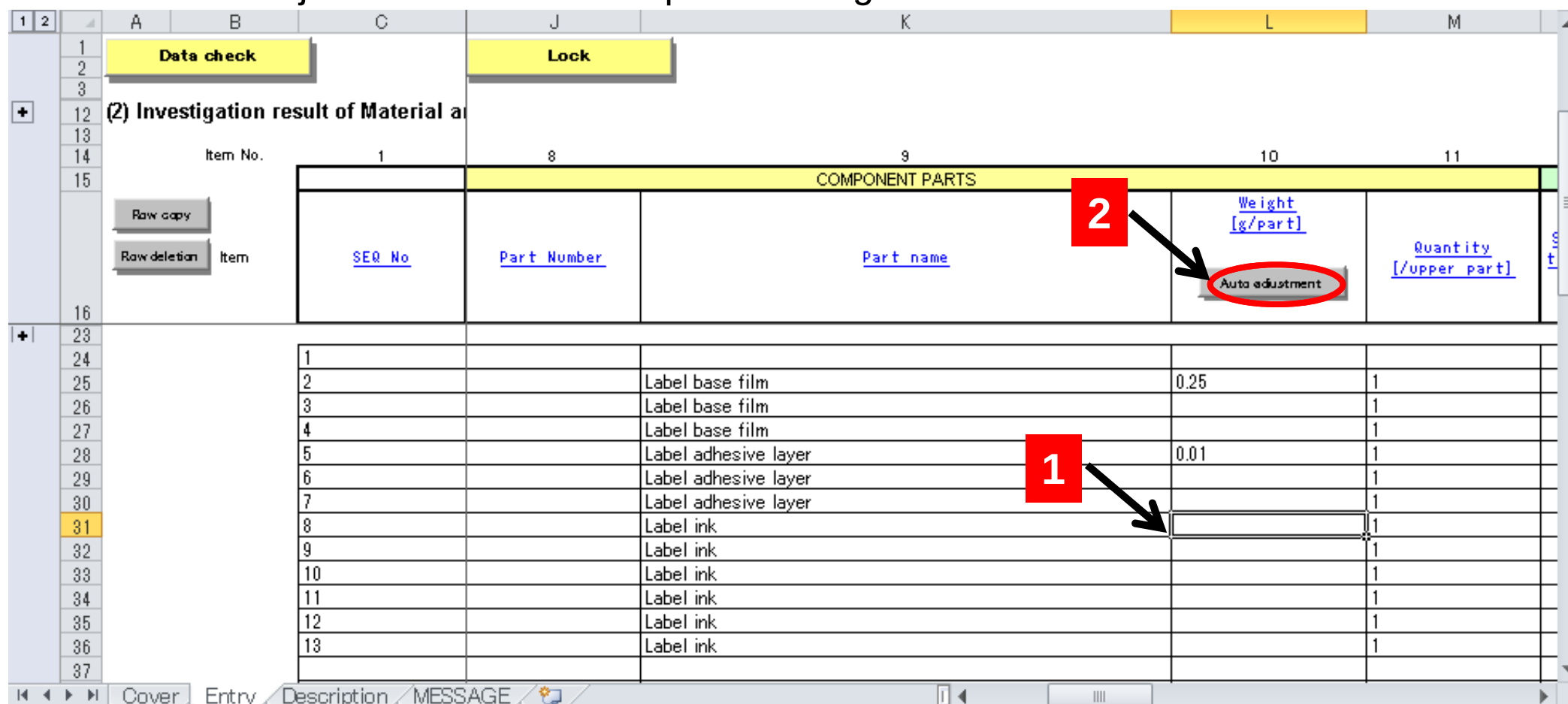
4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the component weight for Label ink

Enter the component weight.

68. Select the top cell for the component weight for “Label ink” (cell L31); then click “Automatic adjustment” for the component weight.



	A	B	C	J	K	L	M
1							
2							
3							
12			(2) Investigation result of Material a				
13							
14		Item No.	1	8	9	10	11
15							
16							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							

Labels in the spreadsheet include: Data check, Lock, (2) Investigation result of Material a, Item No., Row copy, Row deletion, Item, SEQ No, Part Number, Part name, COMPONENT PARTS, Weight [g/part], Auto adjustment, Quantity [/upper part], Label base film, Label adhesive layer, Label ink.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

❑ Component weight for Label ink automatically entered

Enter the component weight.

69. The total material weight for “Label ink” is automatically entered.

1		2		A		B		C		J		K		L		M	
1		2		Data check						Lock							
3																	
12				(2) Investigation result of Material a													
13																	
14				Item No.		1		8		9		10		11			
15										COMPONENT PARTS							
				Row copy													
				Row deletion		Item		SEQ No		Part Number		Part name		Weight [g/part]		Quantity [/upper part]	
														Auto adjustment			
16																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	
36																	
37																	

Label base film 0.25 1

Label base film 1

Label base film 1

Label adhesive layer 0.01 1

Label adhesive layer 1

Label adhesive layer 1

Label ink 0.01 1

Label ink 1

Label ink 1

Label ink 1

Label ink 1

Label ink 1

Label ink 1

Label ink 1

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to enter the delivered component weight for Sample Label

Enter the delivered component weight.

70. Select the top cell for the delivered component weight for “Sample Label” (cell F24); then click “Automatic adjustment” for the delivered component weight.

The screenshot displays the JAMA Sheet interface. At the top, there are buttons for 'Data check', 'Import CSV', 'Export as CSV', 'Export as XML', and 'Delete all'. Below these, a section titled '(2) Investigation result of Material and Substance' is visible. The main table has columns for 'Item No.', 'SEQ No', 'Part Number', 'Part name', 'Weight [g/part]', 'Drawing Change Level', and 'Inves on'. The 'Weight [g/part]' column is highlighted in yellow. A red box labeled '1' points to the 'Auto adjustment' button in the 'Weight [g/part]' column. A red box labeled '2' points to the 'Auto adjustment' button in the 'Weight [g/part]' column. The 'Auto adjustment' button is circled in red. The table contains 13 rows of data, all labeled 'Sample LABEL'.

Item No.	1	2	3	4	5
	SEQ No	Part Number	Part name	Weight [g/part]	Drawing Change Level
1	1	LBA335501	Sample LABEL		
2	2	LBA335501	Sample LABEL		
3	3	LBA335501	Sample LABEL		
4	4	LBA335501	Sample LABEL		
5	5	LBA335501	Sample LABEL		
6	6	LBA335501	Sample LABEL		
7	7	LBA335501	Sample LABEL		
8	8	LBA335501	Sample LABEL		
9	9	LBA335501	Sample LABEL		
10	10	LBA335501	Sample LABEL		
11	11	LBA335501	Sample LABEL		
12	12	LBA335501	Sample LABEL		
13	13	LBA335501	Sample LABEL		

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

- Delivered component weight for Sample Label automatically entered

Enter the delivered component weight.

71. The total component weight for “Sample Label” is automatically entered.

The screenshot displays the JAMA Sheet preparation interface. At the top, there are buttons for 'Data check', 'Import CSV', 'Export as CSV', 'Export as XML', and 'Delete all'. Below these, a section titled '(2) Investigation result of Material and Substance' contains a table. The table has columns for 'Item No.', 'SEQ No.', 'Part Number', 'Part name', 'Weight [g/part]', and 'Drawing Change Level'. The 'Weight [g/part]' column is highlighted in yellow, and the value '0.27' is entered in the first row, which is circled in red. An arrow points to this value. The table also includes a 'DELIVERY PART' header and an 'Auto adjustment' button. The bottom of the interface shows a status bar with 'Cover', 'Entry', 'Description', and 'MESSAGE' tabs.

Item No.	SEQ No.	Part Number	Part name	Weight [g/part]	Drawing Change Level
1		LBA335501	Sample LABEL	0.27	
2		LBA335501	Sample LABEL		
3		LBA335501	Sample LABEL		
4		LBA335501	Sample LABEL		
5		LBA335501	Sample LABEL		
6		LBA335501	Sample LABEL		
7		LBA335501	Sample LABEL		
8		LBA335501	Sample LABEL		
9		LBA335501	Sample LABEL		
10		LBA335501	Sample LABEL		
11		LBA335501	Sample LABEL		
12		LBA335501	Sample LABEL		
13		LBA335501	Sample LABEL		

Input of all the required data is now completed.

4. JAMA Sheet preparation



❑ How to check for errors in entered JAMA sheet data

Check for errors in entered data.

72. Save the entered data in an arbitrary file name; then click “Data check.”

(1) Basic information		(for uploading to the JMS)			
Item	Automobile manufacturer code	Supplier code	Supplier Name	Due Date	Reply Date
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor	requestor	requestor	requestor	supplier

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

❑ How to check for errors in entered JAMA sheet data

Example of error check: when no error is found

73. The first click on “Data check” after completing data input generates a message irrelevant to errors (e.g. “automatically overwritten” in the “Message” sheet).

	A	B	C	D
1				
2	Stop data check	After clicking the button, it may take several minutes to stop the check processing.		
3				
4	V25	[mes8:Warning] The data has been overwritten automatically by the system. Portion has been calculated with the Substance portion(Min., Max. and Rest) in JAPIA OPTIONS automatically by the system.		
5	AD25	[mes8:Warning] The data has been overwritten automatically by the system. Portion has been calculated with the Substance portion(Min., Max. and Rest) in JAPIA OPTIONS automatically by the system.		
6	AE25	[mes8:Warning] The data has been overwritten automatically by the system. Portion has been calculated with the Substance portion(Min., Max. and Rest) in JAPIA OPTIONS automatically by the system.		
7	AF25	[mes8:Warning] The data has been overwritten automatically by the system. Portion has been calculated with the Substance portion(Min., Max. and Rest) in JAPIA OPTIONS automatically by the system.		
	AG25	[mes8:Warning] The data has been overwritten automatically by the system. Portion has been calculated with the Substance portion(Min., Max. and Rest)		

Navigation: Cover Entry Description **MESSAGE**

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to check for errors in entered JAMA sheet data

74. Click “Data check” again.

(1) Basic information

Item	<u>Automobile manufacturer code</u>	<u>Supplier code</u>	<u>Supplier Name</u>	<u>Due Date</u>	<u>Reply Date</u>
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor	requestor	requestor	requestor	supplier

75. A message on the “Message” sheet tells that no error is found.

Stop data check

After clicking the button, it may take several minutes to stop the check processing.

No error found

Entered data have been proven to be error-free.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

How to export data in CSV format

76. Click “Export as CSV” in the Data Input Form.

The screenshot displays the JAMA Sheet Data Input Form. At the top, there are four buttons: "Data check", "Import CSV", "Export as CSV", and "Export as XML". The "Export as CSV" button is circled in red, and a pink arrow points to it. Below these buttons, the form is divided into two main sections: (1) Basic information and (2) Investigation result of Material and Substance. Section (1) includes fields for Item, Data type, and Entered by. Section (2) includes a table for Item No. with columns for SEQ No, Part Number, Part name, Weight [g/part], and Drawing Level. The table contains four rows of data, all with the same values: LBA335501, Sample LABEL, and 0.27. The bottom of the form has a navigation bar with buttons for Cover, Entry, Description, and MESSAGE.

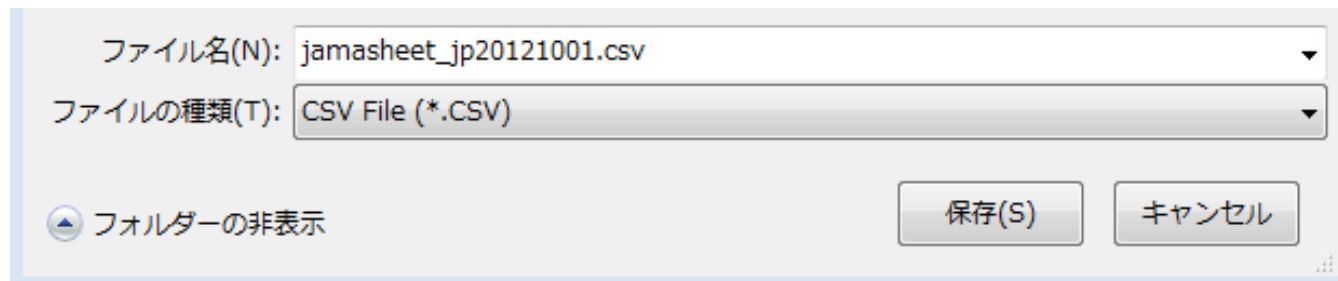
Item No.	1	2	3	4
Item	1	2	3	4
SEQ No	1	2	3	4
Part Number	LBA335501	LBA335501	LBA335501	LBA335501
Part name	Sample LABEL	Sample LABEL	Sample LABEL	Sample LABEL
Weight [g/part]	0.27			
Drawing Level				

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

□ Save the CSV file

77. Save the CSV file in an arbitrary file name.



End of the example (label) of JAMA sheet preparation

4. JAMA Sheet preparation



❑ How to check for errors in the completed JAMA sheet

5. Checking for errors

Example of error check: when an error is found

Execute “Data check” to confirm that your data are perfect.

Be sure to save the data before error check.

Clicking the “Data check” button causes display of the check results in the “Message” sheet.

If no error is found, a “No error found” message is shown on the “Message” sheet.

Item	<u>Automobile manufacturer code</u>	<u>Supplier code</u>	<u>Supplier Name</u>	<u>Due Date</u>	<u>Reply Date</u>
Data type	ASCII characters	ASCII characters	ASCII characters	ASCII characters	ASCII characters
Entered by:	requestor	requestor	requestor	requestor	supplier

If any error occurs, ask the source company for the correct JAMA data.

Important!

JAMA data containing any error cannot be uploaded in jDesc, JDI's chemicals control system.

4. JAMA Sheet preparation



❑ Frequently encountered errors and their causes

Errors frequently encountered in JAMA sheet preparation and their principal causes

No	Error	Principal causes
1	Data input mandatory	Required data are missing. If the data exist in the item to be pointed out, component structure level may be wrong (even in other rows).
2	Total weight of subcomponents/materials differ from delivered component/component weight by more than 5%. Please correct.	• Delivered component/component weight not entered through “Automatic coordination” • Component Structure level is wrong (even in other rows)
3	Wrong combination of compound code, compound name, and Node ID	Compound code or compound name not entered through “Select,” or manually modified
4	Entered value does not agree with list entry	Compound name manually modified
5	Constituting materials require registration of compound (except for supplied material)	Constituting material name not entered through “Select,” or manually modified
6	Combination of surface treatment flag, material name, material standard, material code, material symbol, or VDA material classification does not agree with list entry	Constituting material name not entered through “Select,” or manually modified

* See “Frequently encountered problems associated with different JAMA sheet versions” for errors related to different JAMA version.

4. JAMA Sheet preparation

1 → 2 → 3 → 4 → 5 → 6

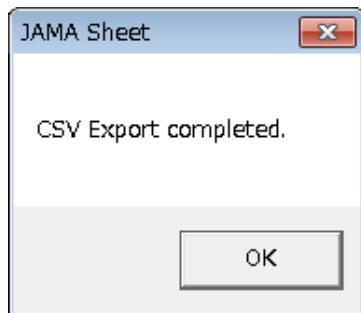
- How to export JAMA sheet data in CSV format after the input of contained substance information

6. Exporting data

Click the “Export as CSV” button to export the data.

Item	Data type	Entered by
requestor	requestor	requestor
supplier	supplier	supplier

For information: Image of a CSV file



The CSV format reduces the volume of the data.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	C	Ver.2.17	2013/4/2	Successful		EXLIST-2012-10-01	EN.xls							
2	H													
3	D	1	LBA33550	Sample LAI	0.27			1						
4	D	2	LBA33550	Sample LABEL				2		Label base	0.25	1		Plastics
5	D	3	LBA33550	Sample LABEL				2		Label base film		1		Plastics
6	D	4	LBA33550	Sample LABEL				2		Label base film		1		Plastics
7	D	5	LBA33550	Sample LABEL				2		Label adhe:	0.01	1		Adhesi
8	D	6	LBA33550	Sample LABEL				2		Label adhesive layer		1		Adhesi
9	D	7	LBA33550	Sample LABEL				2		Label adhesive layer		1		Adhesi
10	D	8	LBA33550	Sample LABEL				2		Label ink	0.01	1		Ink
11	D	9	LBA33550	Sample LABEL				2		Label ink		1		Ink
12	D	10	LBA33550	Sample LABEL				2		Label ink		1		Ink
13	D	11	LBA33550	Sample LABEL				2		Label ink		1		Ink
14	D	12	LBA33550	Sample LABEL				2		Label ink		1		Ink

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1. What is the JAMA sheet?
2. Display image for JAMA sheet and content overview
3. JAMA Sheet entries
4. JAMA Sheet preparation
5. Notes on filling in JAMA sheet
6. JDI-Specific requirements in JAMA sheet

5. Notes on filling in JAMA sheet

□ Basic rules for JAMA sheet preparation

- Use alphanumeric (one-byte) characters only. Do not use Japanese (two-byte) characters.
- Do not directly paste data copied from other Excel files.
Formats other than that of the JAMA sheet may cause errors.
When pasting data copied from other Excel file, select only “paste value” from the paste options.
- JAMA data containing any error cannot be uploaded in jDesc, JDI's chemicals control system.

5. Notes on filling in JAMA sheet

❑ No manual input in cells for automatic input

- Do not delete or edit data entered using the [Automatic coordination] or [Select] button, or automatically displayed in cells when the [Select] button is clicked. Do not enter these data manually.

1	2	3	4	10
	DELIVERY PART			
<u>SEQ No</u>	<u>Part Number</u>	<u>Part name</u>	Weight [g/part] Auto adjustment	Weight [g/part] Auto adjustment
1	LBA335501	Sample LABEL	0.27	0.25
2	LBA335501	Sample LABEL		
3	LBA335501	Sample LABEL		
4	LBA335501	Sample LABEL		
5	LBA335501	Sample LABEL		0.01
6	LBA335501	Sample LABEL		
7	LBA335501	Sample LABEL		
8	LBA335501	Sample LABEL		0.01
9	LBA335501	Sample LABEL		
10	LBA335501	Sample LABEL		
11	LBA335501	Sample LABEL		
12	LBA335501	Sample LABEL		
13	LBA335501	Sample LABEL		

Automatically entered by clicking
“Automatic coordination”

Automatically entered by clicking
“Automatic coordination”

5. Notes on filling in JAMA sheet

- Cells may be designed for filling by selection or automatic input

Do not delete, edit, or input manually

13

Material name

Select

Plastics PP (Filled)
Plastics PP (Filled)
Plastics PP (Filled)
Adhesive PAK
Adhesive PAK
Adhesive PAK
Ink
Ink
Ink
Ink
Ink
Ink

Automatically entered by clicking "Select"

16	17	18	19
<u>Norms/Standards</u>	<u>Material number (Metal or other than plastics or rubber materials)</u>	<u>Material symbol (plastics or rubber)</u>	<u>VDA Classification n</u>
ISO1043		PP-KD20	5.1a
ISO1043		PP-KD20	5.1a
ISO1043		PP-KD20	5.1a
ISO1043	PAK		6.2
ISO1043	PAK		6.2
ISO1043	PAK		6.2
JAMAA4444	INK		6.1
JAMAA4444	INK		6.1
JAMAA4444	INK		6.1
JAMAA4444	INK		6.1
JAMAA4444	INK		6.1
JAMAA4444	INK		6.1

Automatically filled while selecting constituting material names

5. Notes on filling in JAMA sheet

- Compound name automatically generated by selecting compound code (CAS No.)

Do not delete, edit, or input manually

20	23	24	25	26
<u>Substance count</u>	<u>Chemical presence type</u> Select	<u>Substance code (CAS No.)</u> Select	<u>Substance name</u>	<u>Portion</u>
1		-	Plastic: PP	77
2		471-34-1	Calcium-carbonate	20
		system	Additives, not to declare	3
1		-	Basic Polymer: PAK	97
2	1	108-05-4	Acetic acid ethenyl ester	0.05
		system	Additives, not to declare	2.95
1		-	Polyethylene	53
2		147-14-8	Cu-Phthalocyanin	10
3		2053-15-0	Allyl phthalate, homopolymer	15
4		5102-83-0	CI Pigment Yellow 13	10
5	1			

Automatically entered
by clicking "Select"

Automatically filled while
selecting compound codes

5. Notes on filling in JAMA sheet

- **No data entry required in the items under “Recycle”**

Do not delete, edit, or input manually

[illegible]

5. Notes on filling in JAMA sheet

- ❑ No data entry required in the items under “JAPIA Option”

Do not delete, edit, or input manually

39	40	41	42	43	44	45	46	47	48
JAPIA OPTIONS									MATERIAL
<u>Component parts weight unit</u>	<u>Component parts quantity unit</u>	<u>Requestor material code or Supplied material code</u>	<u>Substance portion (Minimum)</u>	<u>Substance portion (Maximum)</u>	<u>Substance portion (Rest)</u>	<u>IMDS node ID (part)</u>	<u>IMDS node ID (material)</u>	<u>IMDS node ID (substance)</u>	<u>Internal Mat.-No.</u>
Select	Select								
								1351222	
								1201	
								145390	
								1347041	
								3361	
								145390	
								1347348	
								1794	
								23337	
								2279459	
								461	
								9999	

5. Notes on filling in JAMA sheet

■ How to describe undisclosed substances (other than substances prohibited or controlled by JD)

- A compound (if not prohibited) that cannot be disclosed, e.g. by reason of confidentiality, may be entered as a **wildcard compound***, such as “misc,” so long as the concentration does not exceed 10% as a homogeneous material.

20	23	24	25	26
SUBSTANCE				
<u>Substance count</u>	<u>Chemical presence type</u>	<u>Substance code (CAS No.)</u>	<u>Substance name</u>	<u>Portion</u>
	Select	Select		

1		-	Plastic: PP	77
2		471-34-1	Calcium-carbonate	20
		system	Additives, not to declare	3
1		-	Basic Polymer: PAK	97
2	1	108-05-4	Acetic acid ethenyl ester	0.05
		system	Additives, not to declare	2.95
1		-	Polyethylene	53
2		147-14-8	Cu-Phthalocyanin	10
3		25053-15-0	Allyl phthalate, homopolymer	15
4		5102-83-0	CI. Pigment Yellow 13	10
5	1	71868-10-5	2-Methoxypropyl acetate	5
		system	Misc. not to declare	7

*** Wildcard compounds:** compounds for which the code is “system.” See explanation of wildcard compounds (p. 28).

- The concentration of compounds can only be entered as an exact numerical value. An entry such as “<5” or “10-20” is not accepted

Table of contents

1. What is the JAMA sheet?
2. Display image for JAMA sheet and content overview
3. JAMA Sheet entries
4. JAMA Sheet preparation
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6. **JDI-Specific requirements in JAMA sheet**

6. JDI-Specific requirements in JAMA sheet

□ JDI-Specific rules for preparation of JAMA sheet

1. Item(*) 14 “Material trade name” is mandatory

- Input of the material trade name is optional in the JAMA sheet but mandatory in jDesc. If it is missing, an error is caused when uploading the file.

JDI requires the material trade name because it is used as an identification key in the jDesc system.

Each material requires the trade name. If the name does not exist or cannot be disclosed, a serial number may be used for each material for identification.

2. Entry for articles supplied by JDI

- Enter “3” in item 6 “Registration status” for a JDI-supplied article.

In this case, entries in the following items only are needed.

- * Item 7 “Structure level”
- * Item 8 “Component No.”
- * Item 10 “Component weight A”
- * Item 11 “Component quantity”

6. JDI-Specific requirements in JAMA sheet

□ JDI-Specific input rules for preparation of JAMA sheet

3. Enter JDI Article codes and Article texts exactly

The code and text are used as identifiers for your products in the jDesc system. Enter them exactly (distinguishing two-byte characters from one-byte characters) in the following places in the JAMA sheet:

- (1) JDI Article number: Item2, “Delivered component number”
- (2) JDI Article text: Item 3, “Delivered component name”

* Item: The number given in row 14 of the Data Input Form (for JAMA Ver. 2.17)

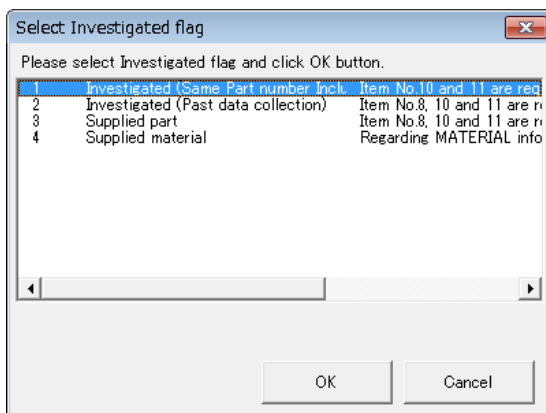
6. JDI-Specific requirements in JAMA sheet

❑ When the delivered product contains JDI-supplied articles

➤ How to enter JDI-supplied articles

Select an appropriate item to enter from the list shown in “Registration status.”

Example: Label ink supplied by JDI



Category: 3. Supplied component

Description: Input required in “Component No.,” “component weight A” and “Component quantity.”



Enter the “Component No.,” “Component weight A,” and “Component quantity” for “Label ink.” No data are needed in other items (except the basic information in columns C-E).

COMPONENT PARTS							
Investigati on flag	Part Structure	Part Number	Part name	Weight [g/part]	Quantity [/upper part]	Surface tretment flag	Mate
Select				Auto adjustment			
	1						
	2		Label base film	0.25	1		Plastics PP (Fil
	2		Label base film		1		Plastics PP (Fil
	2		Label base film		1		Plastics PP (Fil
	2		Label adhesive layer	0.01	1		Adhesive PAK
	2		Label adhesive layer		1		Adhesive PAK
	2		Label adhesive layer		1		Adhesive PAK
3	2	ABC0000		0.01	1		

6. JDI-Specific requirements in JAMA sheet

Overview of the cells to which the JDL-specific rules apply

1 Delivered component No.			4 5 Registration status		9 10 11 COMPONENT PARTS					
SEQ No.	Part Number	Part name	Weight [g/part] Auto adjustment	Drawing Change Level	Investigation flag Select	Part Structure	Part Number	Part name	Weight [g/part] Auto adjustment	Quantity [upper part]
Serial number assigned to date	Part Number of supplier delivery to request for	Part name of supplier delivery to request for	Weight of delivery part, basically the weight value in the drawing [g/part]	Designing change number, if occurred	Identification code that this part was reported to request for or not	Level of a component part/delivery part consists some component parts.	Part number of a component part of a delivered product	Part name identified by a component part number	Weight of component part [g/part]	Number of component parts used for upper level part [each upper level part]
supplier			request for or supplier	request for or supplier	request for or supplier	supplier	request for or supplier	request for or supplier	supplier	supplier
required	required	required	required (Enter in only the top row for the same part)	optional	2. Entry for articles supplied by JDI			required (e of material for DELIVERY PART are inputted in this row.)	required (Enter in only the top row for the same part)	required (Should be blank in case of material for DELIVERY PART are inputted in this row.)
JDI Article No.	JDI Article text									
Number	ASCII characters	ASCII characters	Number	ASCII characters	Number	Number	ASCII characters	ASCII characters	Number	Number
5	25	40	9	10	2	2		40	9	3
0	0	0	5	0	0	0		0	5	0
"3" for JDL-supplied article										

12 13 Material trade name		16 17 18 19		
Surface treatment flag Select	Material name Trade name	Material weight usage for component part Round off	Material number (Metal or other than plastics or rubber material) Material symbol (plastics or rubber)	YDA Classification
Identification code of surface treatment	Material name applied to a component part	Trade name of material	Material weight usage for component part [g/component part]	Material classification is defined by YDA (German Automobile Manufacturers Association)
supplier	supplier	supplier	supplier	supplier
Optional of request for	required (in case of other material)	Optional of supplier	required (Enter in only the top row for the same part)	required (in case of other material)
1*	ASCII characters	Optional of supplier	required (Metal or other material)	required (Plastics or Rubber or elastomer)
2	40	40	40	40
0	0	0	0	0
1. Item number (*) 14 "Material trade name" is mandatory				
"Material trade name" mandatory				

[For Information] JAMA sheet manuals available at JAPIA

❑ Manuals describe detailed procedure of JAMA sheet preparation

1. Manuals for JAMA sheet preparation

- The manuals are available at the website of JAPIA (see URL below).
- ⦿ **Must-read: (5) JAMA/JAPIA Standard Material Datasheet Instruction**
(English and Japanese versions available)
- **Recommended: (4) Operation procedure**
(Japanese only; more detailed description than in (5) above)
- ★ The manual (5) above describes the procedure of JAMA sheet preparation with an example of a component.

2. Examples of JAMA sheet preparation

- Provides examples of electronic components (transistors, circuit boards), labels, tapes, plated composite components, etc.
- **Recommended: (6) Data Input Sample**

3. JAPIA Website

- * Japanese: <http://www.japia.or.jp/datasheet/> - provides all the documents related to JAMA sheet
- * English: <http://www.japia.or.jp/english/datasheet.html>) - provides documents in English related to JAMA sheet
- * In addition, JDI provides an original manual that describes general features of the JAMA sheet for general use. (described in a separate document)

[For Information] JAMA sheet manuals available at JAPIA

▣ Contents and availability of JAMA sheet manuals

- JAPIA provides manuals containing detailed description of JAMA sheet preparation. Please refer to the below for details.

1. Manuals for JAMA sheet preparation

⦿ **Must-read: (5) JAMA/JAPIA Standard Material Datasheet Instruction**

(English and Japanese versions available)

○ **Recommended: (4) Operation procedure**

(Japanese only; more detailed description than in (5) above containing step-by-step explanations)

- Manual (5) above describes the procedure of JAMA sheet preparation with an example of a component.

2. Examples of JAMA sheet preparation

- Provides examples of electronic components (transistors, circuit boards), labels, tapes, plated composite components, etc.

○ **Recommended: (6) Data Input Sample**

3. Manuals are available at the URLs below at the JAPIA Website:

- * Japanese: <http://www.japia.or.jp/datasheet/> - provides all the documents related to JAMA sheet
- * English: <http://www.japia.or.jp/english/datasheet.html>) - provides documents in English related to JAMA sheet

Revision history

Version	Date	Description
V1.0	Feb. 6, 2013	First issued